

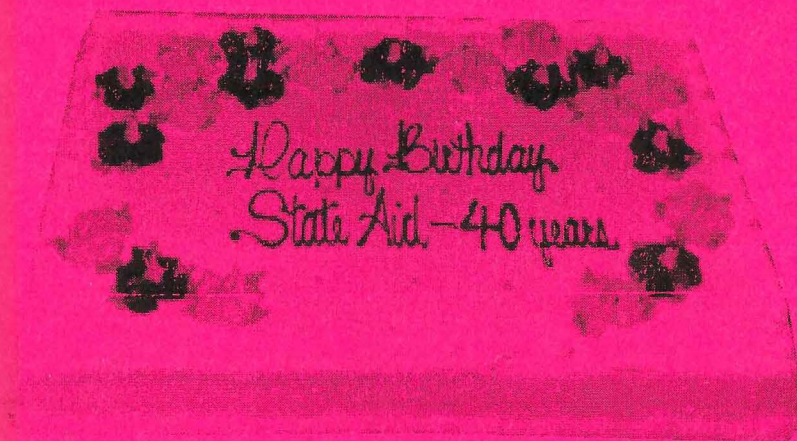


1997

MUNICIPAL

STATE AID

NEEDS REPORT



1957-1997

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October, 1997

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October 1997

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TO : Municipal Engineers

SUBJECT : 1997 Municipal State Aid Needs Report

Enclosed is a copy of the 1997 Municipal State Aid Needs Report, which will be reviewed October 28 & 29 by the Screening Board to make a final determination of the money needs.

This report has been compiled by the Municipal State Aid Needs Unit in conjunction with the Office of Finance. If you have any questions or suggestions concerning this data, please contact me at the above number.

Distribution of this report is sent to all Municipal Engineers, and when a consulting engineer is engaged by the municipality, a copy is also sent to the municipal clerk.

A limited amount of additional copies of this report are available on request.

Sincerely,



**Kenneth Straus
Municipal State Aid Needs Unit**

**Enclosures:
1997 Municipal State Aid Needs Report**

PREFACE

The "1997 Municipal State Aid Needs Report" is presented to the Municipal Screening Board for use in making their annual money needs recommendation to the Commissioner of Transportation.

This submittal is required by Mn. Statute 162.13 Sub .3 and is to be made to the commissioner on or before November 1 of each year for his determination.

The money needs data contained in this publication has been compiled from reporting submitted by each individual municipality.

Design is established by State Aid Standards based on traffic, and the money needs are calculated using the unit prices as determined by the Municipal Screening Board at their spring meeting in June, 1996.

The estimated Population data is combined with the Commissioner's final money needs and the result will be used to determine the 1998 allocation which will be reported in the "1998 Municipal State Aid Apportionment Data" to be published in January, 1998.

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STATE OF MINNESOTA

HIGHWAY DISTRICTS AND URBAN MUNICIPALITIES (population over 5000)

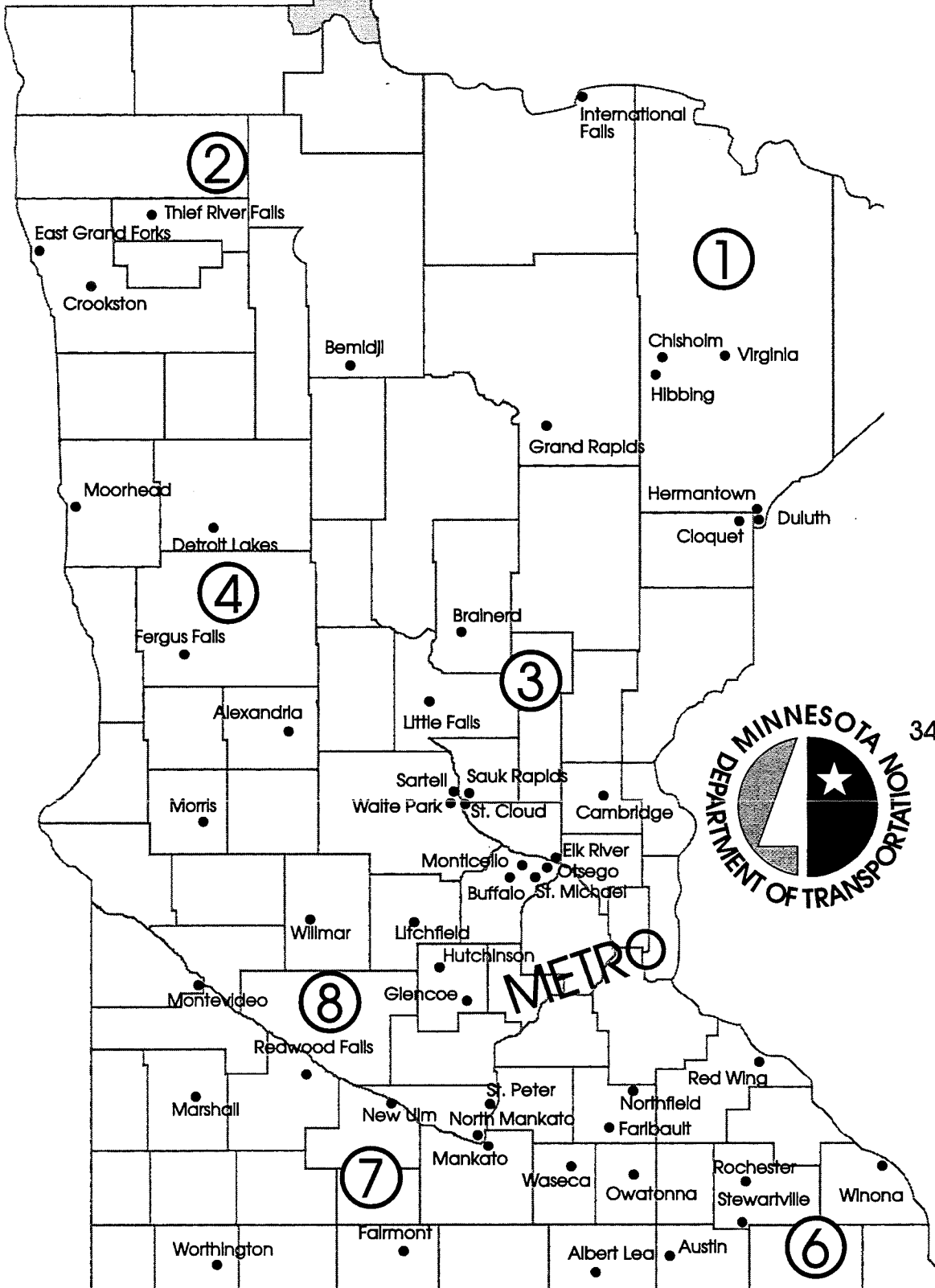
METRO MUNICIPALITIES

40 Metro West Cities

Andover
Anoka
Blaine
Bloomington
Brooklyn Center
Brooklyn Park
Champlin
Chanhassen
Chaska
Columbia Heights
Coon Rapids
Corcoran
Crystal
Dayton
East Bethel
Eden Prairie
Edina
Fridley
Golden Valley
Ham Lake
Hopkins
Lino Lakes
Maple Grove
Minneapolis
Minnetonka
Mound
New Hope
Oak Grove
Orono
Plymouth
Prior Lake
Ramsey
Richfield
Robbinsdale
St. Anthony
St. Louis Park
Savage
Shakopee
Shorewood
Spring Lake Park

34 Metro East Cities

Apple Valley
Arden Hills
Burnsville
Cottage Grove
Eagan
Falcon Heights
Farmington
Forest Lake
Hastings
Hugo
Inver Grove Heights
Lake Elmo
Lakeville
Little Canada
Mahtomedi
Maplewood
Mendota Heights
Mounds View
New Brighton
North Branch
North St. Paul
Oak Grove
Oakdale
Rosemount
Roseville
St. Paul
St. Paul Park
Shoreview
South St. Paul
Stillwater
Vadnais Heights
West St. Paul
White Bear Lake
Woodbury



October, 1997

1997 MUNICIPAL SCREENING BOARD**OFFICERS**

Chairman	Brian Bachmeier	Oakdale	(612) 739-5086
Vice Chairman	John Rodeberg	Hutchinson	(320) 234-4208
Secretary	Ken Ashfeld	Maple Grove	(612) 494-6420

MEMBERS

<u>District</u>	<u>Served</u>	<u>Representative</u>		
1	3	Dave Halter	Grand Rapids	(218) 326-7602
2	1	David Kildahl	Crookston	(218) 281-6545
3	1	Terry Wotzka	Waite Park	(612) 253-1000
4	3	Gary Nansen	Sauk Rapids Detroit Lakes	(218) 847-5607
Metro-West	2	Jack Bittle	Champlin	(612) 421-1955
6	3	Bill Malin	Winona	(507) 457-8269
7	2	Larry Read	Fairmont	(507) 238-9461
8	1	Daniel Sarff	Litchfield	(612) 231-3956
Metro-East	2	Dave Jessup	Woodbury	(612) 731-5784
(Three Cities		Dean Beeman	Duluth	(218) 723-3278
of the		Ramankutty Kannankutty	Minneapolis	(612) 673-2476
First Class)		Ed Warn	St. Paul	(612) 266-6142

<u>District</u>	<u>Alternates</u>		
1	David Salo	Hermantown	(218) 727-8796
2	Michael Metso	Bemidji	(218) 759-3576
3	Larry Koshak	Otsego	(612) 427-5860
4	Tim Schoonhoven	Alexandria	(320) 762-8149
Metro-West	Lee Gustafson	Minnetonka	(612) 939-8200
6	David Olson	Albert Lea	(507) 377-4325
7	Steven P. Koehler	New Ulm	(507) 359-8245
8	Keith Nelson	Marshall	(507) 537-6774
Metro-East	Mark Burch	White Bear Lake	(612) 429-8531

1997 SUBCOMMITTEES

The Screening Board Chairman appoints one city Engineer, who has served on the Screening Board, to serve a three year term on the Needs Study Subcommittee.

The past Chairman of the Screening Board is appointed to serve a three year term on the Unencumbered Construction Fund Subcommittee.

NEEDS STUDY SUBCOMMITTEE	UNENCUMBERED CONSTRUCTION FUNDS SUBCOMMITTEE
Herb Reimer-Chairman Moorhead (218) 299-5390 Expires in 1997	Alan Gray-Chairman Eden Prairie (612) 949-8300 Expires in 1997
Ken Saffert Mankato (507) 387-8631 Expires in 1998	Dan Edwards Fergus Falls (218) 739-2251 Expires in 1998
Curt Kreklau Buffalo (612) 682-1181 Expires in 1999	David Sonnenberg Minneapolis (612) 673-2443 Expires in 1999

ALLOCATION STUDY SUBCOMMITTEE	
Ramankutty Kannankutty - Minneapolis (Chair)	(612) 673-2456
Gerald Butcher - Maple Grove	(612) 420-4000
Tom Drake - Red Wing	(612) 227-6220
John Flora - Fridley	(612) 571-3450
Jim Prusak - Cloquet	(218) 879-6758
Bill Ottensmann - Coon Rapids	(612) 755-2880
Herb Reimer - Moorhead	(218) 299-5390
Mike Rardin - St. Louis Park	(612) 924-2551
Ed Warn - St. Paul	(612) 266-6142

MUNICIPAL SCREENING BOARD REPRESENTATIVES**DISTRICTS**

YEAR	DISTRICT 1	DISTRICT 2	DISTRICT 3	DISTRICT 4	METRO WEST	DISTRICT 6	DISTRICT 7	DISTRICT 8	METRO EAST
1975	MADSEN	SANDERS	KNAPP	REIMER Moorhead	ASMUS Minnetonka	BOLLANT	MENK St. Peter	CARLSON	THENE
1976	BOYER	WIDSETH	KRIHA Brainerd	REIMER	ODLAND	ANDERSON Red Wing	MENK	ADEN Marshall	DAVIDSON Inver Gr. Hgts.
1977	PFUTZENREUTER Virginia	WIDSETH	KRIHA	RONNING Fergus Falls	ODLAND	ANDERSON	MENK	ADEN	DAVIDSON
1978	PFUTZENREUTER	WIDSETH	KRIHA	RONNING	BUTCHER Maple Grove	ANDERSON	PUTNAM New Ulm	ADEN	HONCHELL Roseville
1979	PFUTZENREUTER	VENCEL Bemidji	ENGSTRON Little Falls	RONNING	BUTCHER	ANDERSON	PUTNAM	CARLSON	HONCHELL
1980	MADSEN	VENCEL	ENGSTRON	REIMER	BUTCHER	LEUTH Owatonna	PUTNAM	CARLSON	SIMON S. St. Paul
1981	PFUTZENREUTER	WIDSETH	ENGSTRON	REIMER	ASMUS	LEUTH	ORTLOFF Waseca	CARLSON	KLEINSCHMIDT Inver Gr. Hgts.
1982	PFUTZENREUTER Virginia	FREEBERG Bemidji	DOLENTZ St. Cloud	BAKKEN Detroit Lakes	ASMUS	LEUTH	ORTLOFF	ADEN	KLEINSCHMIDT
1983	PRUSAK Cloquet	FREEBERG	DOLENTZ	BAKKEN	ASMUS	PLUMB Rochester	ORTLOFF	ADEN	KLEINSCHMIDT
1984	PRUSAK	FREEBERG	DOLENTZ	BAKKEN	RUDRUD Bloomington	PLUMB	MENK	ADEN	GATLIN White Bear Lk.
1985	PRUSAK	SANDERS	SCHWENINGER Brainerd	BAKKEN	RUDRUD	PLUMB	MENK	RODEBERG Montevideo	GATLIN
1986	BUSBY Hibbing	SANDERS	SCHWENINGER	EDWARDS Fergus Falls	RUDRUD	MURPHY Austin	MENK	RODEBERG	GATLIN
1987	BUSBY	SANDERS	SCHWENINGER	EDWARDS	OTTENSMANN Coon Rapids	MURPHY	HAFFIELD Worthington	RODEBERG	SIGGERUD Burnsville
1988	BUSBY	WALKER Th River Falls	MAURER Elk River	EDWARDS	OTTENSMANN	MURPHY	HAFFIELD	BETTENDORF Litchfield	SIGGERUD
1989	DRAGISICH Virginia	WALKER	MAURER	MOEN Alexandria	OTTENSMANN	DRAKE Red Wing	HAFFIELD	BETTENDORF	SIGGERUD
1990	DRAGISICH	WALKER	MAURER	MOEN	EASTLING Richfield	DRAKE	MCCLURG New Ulm	BETTENDORF	HAIDER Maplewood
1991	PRUSAK Cloquet	KILDAHL Crookston	WILLIAMSON Sauk Rapids	MOEN	EASTLING	DRAKE	MCCLURG	SWANSON Willmar	HAIDER
1992	PRUSAK	KILDAHL	WILLIAMSON	REIMER Moorhead	EASTLING	PUTNAM OWATONNA	MCCLURG	SWANSON	HAIDER
1993	PRUSAK	KILDAHL	WILLIAMSON	REIMER	ANDERSON Prior Lake	PUTNAM	SAFFERT Mankato	SWANSON	BACHMEIER Oakdale
1994	PRUSAK	BOELL Bemidji	KREKLAU Buffalo	REIMER	ANDERSON	PUTNAM	SAFFERT	VICTOR Marshall	BACHMEIER
1995	HALTER Grand Rapids	SANDERS E. Gr. Forks	KREKLAU	NANSEN Det. Lakes	ANDERSON	MALIN Winona	SAFFERT	RODEBERG Hutchinson	BACHMEIER
1996	HALTER	SANDERS	KREKLAU	NANSEN	BITTLE Champlin	MALIN	READ Fairmont	RODEBERG	JESSUP Woodbury
1997	HALTER	KILDAHL Crookston	WOTZKA Sartell, Waite Park	NANSEN	BITTLE	MALIN	READ	SARFF Litchfield	JESSUP

MUNICIPAL SCREENING BOARD REPRESENTATIVES

CITIES OF THE FIRST CLASS AND OFFICERS

YEAR	MPLS	ST. PAUL	DULUTH	CHAIR	VICE CHAIR	SECRETARY
1975	SORENSEN	SCHNARR	DAVIDSON	JOHNSON Anoka		COOK Faribault
1976	SORENSEN	SCHNARR	DAVIDSON	MERILA Brooklyn Park		ASMUS Minnetonka
1977	SORENSEN	SCHNARR	DAVIDSON	COOK Faribault	ASMUS Minnetonka	THENE Wt. Br. Lk.
1978	SMITH	WHEELER	DAVIDSON	ASMUS Minnetonka	THENE Wt. Br. Lk.	PRIEBE Hutchinson
1979	SMITH	WHEELER	DAVIDSON	PRIEBE Hutchinson	ADEN Marshall	BAKER Mankato
1980	SMITH	WHEELER	DAVIDSON	ADEN Marshall	BAKER Mankato	HONCHELL Roseville
1981	SMITH	PETERSON	DAVIDSON	BAKER Mankato	HONCHELL Roseville	SIMON S. St. Paul
1982	HOSHAW	PETERSON	DAVIDSON	HONCHELL Roseville	SIMON S. St. Paul	REIMER Moorhead
1983	HOSHAW	PETERSON	DAVIDSON	SIMON S. St. Paul	REIMER Moorhead	SPURRIER Shakopee
1984	HOSHAW	PETERSON	BERG	REIMER Moorhead	SPURRIER Shakopee	ANDERSON Prior Lake
1985	HOSHAW	PETERSON	CARLSON	SPURRIER Shakopee	ANDERSON Prior Lake	SAFFERT Mankato
1986	HOSHAW	PETERSON	CARLSON	ANDERSON Prior Lake	SAFFERT Mankato	MOORE Plymouth
1987	HOSHAW	KUHFELD	CARLSON	SAFFERT Mankato	MOORE Plymouth	RUDRUD Bloomington
1988	HOSHAW	KUHFELD	CARLSON	MOORE Plymouth	RUDRUD Bloomington	BULLERT Northfield
1989	HOSHAW	KUHFELD	LARSON	RUDRUD Bloomington	BULLERT Northfield	GRUBE St. Louis Park
1990	HOSHAW	KUHFELD	LARSON	BULLERT Northfield	GRUBE St. Louis Park	EDWARDS Fergus Falls
1991	HOSHAW	KUHFELD	LARSON	GRUBE St. Louis Park	EDWARDS Fergus Falls	GRAY Eden Prairie
1992	HOSHAW	KUHFELD	LARSON	EDWARDS Fergus Falls	GRAY Eden Prairie	LARSON Duluth
1993	SPURRIER	KUHFELD	LARSON	GRAY Eden Prairie	LARSON Duluth	SONNENBERG Minnetonka
1994	KANNANKUTTY	KUHFELD	LARSON	LARSON Duluth	SONNENBERG Minnetonka	SWANSON Willmar
1995	KANNANKUTTY	ST MARTIN	LARSON	SONNENBERG Minnetonka	SWANSON Willmar	BACHMEIER Oakdale
1996	KANNANKUTTY	ST MARTIN	LARSON	SONNENBERG BACHMEIER	BACHMEIER Oakdale	RODEBERG Hutchinson
1997	KANNANKUTTY	ED WARN	BEEMAN	BACHMEIER Oakdale	RODEBERG Hutchinson	ASHFELD Maple Grove

1997 Municipal Screening Board Spring Meeting Minutes

June 24 and 25, 1997 Craguns Resort, Brainerd Minnesota

I. Opening by Chairman Bachmeier

The 1997 Municipal Screening Board Spring Meeting was called to order at 1:00 p.m., June 24, 1997.

A. Chairman Bachmeier Introduced:

Herb Reimer	Chair, Needs Study Subcommittee
Ramankutty Kannankutty	Chair, Allocation Study Subcommittee
John Rodeberg	Vice Chair, Municipal Screening Board
Ken Ashfeld	Secretary, Municipal Screening Board
Dave Sonnenberg	Past Chair, Municipal Screening Board

The Secretary conducted the roll call of the members:

District 1	Dave Halter	Grand Rapids
District 2	Dave Kildahl	Crookston
District 3	Terry Wotzka	Waite Park, Sauk Rapids
District 4	Gary Nansen	Detroit Lakes
Metro-West	Jack Bittle	Champlin
District 6	William Malin	Winona
District 7	Steven P. Koehler, Alternate	New Ulm
District 8	Dan Sarff	Litchfield
Metro-East	Dave Jessup	Woodbury
Duluth	Dean Beeman	

Minneapolis	Ramankutty Kannankutty	
St. Paul	Ed Warn	

Screening Board Alternates:

District 1	Dave Salo	Hermantown
-------------------	------------------	-------------------

B. The Chair recognized Department of Transportation personnel:

Pat Murphy	State Aid Engineer
Ken Straus	Manager, Municipal State Aid Needs
Julie Skallman	Assistant State Aid Engineer
Ken Hoeschen	Manager, County State Aid Needs
Bill Croke	District 1 State Aid Engineer
Luane Tasa	District 2 State Aid Engineer
Mike Tardy	District 3 State Aid Engineer
Tallack Johnson	District 4 State Aid Engineer
Mike Pinsonneault	District 6 State Aid Engineer
Doug Haeder	District 7 State Aid Engineer
Tom Behm	District 8 State Aid Engineer
Bob Brown	Metro Division State Aid Engineer (Attended June 25, 1997)

C. The Chair recognized others in attendance:

Paul St. Martin	St. Paul
Dave Kreager	Duluth
Dan Sabin	Minneapolis
Larry Veek	Minneapolis
Ani Mehra	Minneapolis
Greg Coughlin	Ass't. Metro District State Aid Engineer
Greg Felt	Ass't. Metro District State Aid Engineer

D. Consideration of 1996 Fall Municipal Screening Board Minutes

The 1996 Fall Municipal Screening Board Minutes were presented for approval.

Motion by Malin/seconded by Kildahl to approve minutes.

Approved unanimous.

II. Municipal Needs Report presented by Ken Straus

A. Screening Board and Subcommittee Members

Ken pointed out the members of the 1997 Municipal Screening Board and Subcommittees.

B. Needs Study Subcommittee Meeting Minutes

Ken Strauss and Herb Reimer reviewed the minutes of the Needs Study Subcommittee meeting held April 30, 1997, minutes of which were submitted by Ken Saffert.

C. Review of Design Quantity Tables, Soil Factors, and Mileage by Traffic Groups

Ken Straus summarized the proposed changes to the rural and urban design quantity tables as they relate to the soil factors, widths and traffic groupings. The tables reflect needs based on a roadway width with 9 or 10 ton design and traffic volumes.

D. G.E. Charts as Applied to Present Needs Quantity Tables:

Ken indicated that the present depths in the needs do not provide the necessary granular equivalency (G.E.) required for design. The proposed changes include an added depth of class 5 and a reduced depth of bituminous to bring the tables in line with amount required for design.

E. G.E. Charts as Applied to Proposed Quantity Tables:

Ken reviewed the G.E. Charts as applied to the proposed quantity tables and indicated the major change is to eliminate the sub-base G.E. and replace with class 5 and incorporate a 10 ton component to the tables. Also incorporate a grading quantity to the rural table. Herb Reimer indicated that their review was the first extensive change since 1982.

F. Roadway Costs per Mile Comparison Using Present Quantity Tables and Proposed Quantity Tables:

Ken reviewed the cost per mile comparison between the present and proposed quantity tables indicating there was a positive effect for most rural traffic groupings and a negative effect for most urban roadways,

G. Comparison of Present Allotments to G.E. Study Allotments:

Ken reviewed the comparison of present allotments to the G.E. Study allotments and the fact that needs are going down \$59,137,123.

H. Bridges - Existing Versus Non-Existing:

Ken reviewed the needs for existing and non-existing bridges and addressed questions regarding the needs for non-existing bridge requests.

III. Discussion Items (Action to be taken on June 25, 1997)

A. Request for CSAH Turnback Mileage - Minneapolis

Ken reviewed a request from the City of Minneapolis relative to consideration of CSAH turnback mileage for MSA needs. The debated issue at hand is that the date of the City's resolution requesting CSAH turnback designation was prior to the date of legislation allowing for such a request but that the Commissioners order occurred after said legislative enactment date. Gary Nansen, Detroit Lakes, indicated that he has a similar situation. Dave Jessup indicated that the Pre-Screening Board Committee meeting suggested that this item be revisited. Pat Murphy clarified the Mn/DOT position and requested direction from the Screening Board.

B. Request for One Way Street Mileage - Minneapolis

Ken Strauss reviewed a request from the City of Minneapolis for designation of one way streets with a width in excess of that allowed by resolution. Dave Jessup indicated that the Metro Division supported the request of Minneapolis.

C. Existing and Proposed Roadway Widths

Ken Strauss reviewed the needs for proposed roadway widths as compared to existing roadway widths of all State-Aid cities. The issue being that some Cities reflect an excessive proposed roadway width and resulting needs. The Need Study Subcommittee recommended that an in depth study be conducted of all Cities with a proposed roadway width greater than one lane width (12 feet) of current widths.

D. General Fund Advances

Ken brought forth the issue of general fund advances and suggested changing the threshold for allowing advances to \$40 million versus what is now \$50 million. Essentially, the unencumbered fund balance has been reduced significantly and approaching the \$50 million threshold. It was also stated that first class Cities can now request advance funds. It was stated that the metro district suggested that first class Cities be allowed to advance fund 50% of their annual allotment and that all other Cities be limited to a maximum of \$2 million general fund advancement.

E. Metro Traffic Counts

Ken discussed the issue of changing the requirement of 2-year traffic counts to 4-year periods for metro Cities with the option of fast growth cities to do counts at a two-year interval.

IV. Other Issues

- A.** Dave Jessup indicated that the Metro Division asked that the Screening Board discuss County turnback mileage and the intentions of resolutions adopted the previous year. It was suggested that the rules were unclear and that rules prior to last year be reverted back to. Pat Murphy presented Mn/DOT's version of turnback issues.

V. Motion to Adjourn

Committee considered for adjournment until 8:00 a.m. Wednesday morning, when formal action will be taken on the items before the Board. *Motion by Kannankutty/seconded by Malin to approve. Approved unanimously.*

Meeting adjourned at 3:45 p.m.

WEDNESDAY MORNING SESSION:

The Committee reconvened at 8:00 a.m. Wednesday morning.

VI. Formal Actions by Screening Board

A. Needs Quantity Tables

The needs quantity tables were briefly discussed and Dave Halter indicated that he thought Mn/DOT staff did a good job on this project. *Motion by Kannankutty/seconded by Malin to adopt the Needs Study Subcommittee recommendations contained within the Needs Quantity Tables. Approved unanimously.*

B. Construction Needs for Existing and Non-Existing Bridges

Motion by Halter/seconded by Jessup that the Screening Board submit to the Needs Study Subcommittee for further review of the following issues:

- *Engineering costs*
- *Number of years of need*
- *Any other items the Committee feels appropriate*

Approved unanimously.

C. CSAH Turnback Mileage Request - Minneapolis

The Board discussed the request from the City of Minneapolis and whether requests from other Cities in similar situations would be honored. Essentially, the Board provided direction to Mn/DOT that the Commissioners order date is the applicable date relative to statutory law.

*Jessup moved/Bittle seconded approval of the request by Minneapolis.
Motion passed unanimously.*

D. One Way Mileage Request - Minneapolis

The Screening Board requested that the Needs Study Subcommittee evaluate one way needs and allowable widths.

*Warn moved/Malin seconded the approval of the request of Minneapolis.
Passed with Wotzka opposed.*

E. Proposed Roadway Widths

The Board discussed proposed roadway widths as compared to existing widths in numerous Cities.

*Malin moved/seconded by Kannankutty to approve the Needs Study Subcommittee recommendation that proposed roadway widths be amended to reflect a proposed width no greater than 6-feet of additional width.
Motion passed unanimously.*

F. General Fund Advances

*Jessup moved/seconded by Kannankutty that the threshold for allowing General Fund advances be reduced from \$50 million to \$40 million, and that the maximum advance by any particular City be limited to \$3 million.
Unanimously approved.*

G. Metro Traffic Counts

Sarff moved/Bittle seconded to allow Cities at their discretion to conduct traffic counts on either a 2-year or 4-year cycle. Unanimously approved.

H. Other Issues

There was a continuing discussion relative to turnback procedures and mileage requests.

Jessup moved/Bittle seconded that the turnback resolutions be revisited and amended. After considerable discussion, and on a call of the vote, Jessup and Bittle were in favor, all others opposed. Motion failed.

I. Life Cycle Study

Ken Straus and Ramankutty Kannankutty reported on the progress of the Life Cycle Study. It was indicated that the study was not completed and that it was hoped that the study would be ready for the Fall Screening Board Meeting.

VII. Closing Comments

Pat Murphy had a few closing comments and the Chair thanked the various subcommittee members and the Screening Board.

VII. Entertain Motion for Adjournment

Motion by Kannankutty/seconded by Kildahl to adjourn. Approved Unanimously.

The meeting was adjourned at 9:10 a.m.

Submitted by,



Ken Ashfeld, P.E.

MSA Screening Board Secretary
(Maple Grove City Engineer)

MILEAGE, NEEDS AND APPORTIONMENT

The amount to be allocated in 1998 is unknown at this time so an estimated amount of \$ 90,608,066 is used in this report. This a similar amount that was used for the 1997 apportionment. The actual amount will be announced in January 1998 when the Commissioner of Transportation makes a determination of the 1998 apportionment.

The estimated Maintenance and Construction amounts are not computed in this booklet due to the city's option of receiving a minimum of \$1,500 per mile or a percentage up to a maximum of 35% of their total allocation for Maintenance. If a city desires to receive more than the minimum or make a change to their request on file to cover future maintenance, the city has to inform the State Aid Office prior to December 16 of their intention. A memo is sent prior to this date to each city engineer annually informing them of this option.

The continuous increase in M.S.A.S. mileage is due to the increase in the total improved local street mileage of which 20% is allowed for M.S.A. street designation, Trunk and County Turnbacks and the number of cities over 5,000 population.

M.S.A.S. Mileage, Needs and Apportionment 1958 to 1998

Appt. Year	Number of Municipalities	Needs Mileage	Actual 25 Year Construction Needs	Total Apportionment	Adjusted 25 Year Construction Needs	Total Apportionment Per Needs Mileage	Apportionment Per \$1000 of Adjusted Needs
1958	58	920.40	\$190,373,337	\$7,286,074	190,373,337	\$7,916.20	\$19.1363
1959	59	938.36	195,749,800	8,108,428	195,749,800	8,641.06	20.7112
1960	59	968.82	214,494,178	8,370,596	197,971,488	8,639.99	21.1409
1961	77	1131.78	233,276,540	9,185,862	233,833,072	8,116.30	19.6419
1962	77	1140.83	223,014,549	9,037,698	225,687,087	7,922.04	20.0226
1963	77	1161.06	221,458,428	9,451,125	222,770,204	8,140.08	21.2127
1964	77	1177.11	218,487,546	10,967,128	221,441,346	9,317.00	24.7631
1965	77	1208.81	218,760,538	11,370,240	221,140,776	9,406.14	25.7081
1966	80	1271.87	221,992,032	11,662,274	218,982,273	9,169.39	26.6284
1967	80	1309.93	213,883,059	12,442,900	213,808,290	9,498.90	29.0983
1968	84	1372.36	215,390,936	14,287,775	215,206,878	10,411.10	33.1954
1969	86	1412.57	209,136,115	15,121,277	210,803,850	10,704.80	35.8658
1970	86	1427.59	205,103,671	16,490,064	206,350,399	11,550.98	39.9565
1971	90	1467.30	204,854,564	18,090,833	204,327,997	12,329.33	44.2691
1972	92	1521.41	217,915,457	18,338,440	217,235,062	12,053.58	42.2087
1973	94	1580.45	311,183,279	18,648,610	309,052,410	11,799.56	30.1706
1974	95	1608.06	324,787,253	21,728,373	321,833,693	13,512.17	33.7571
1975	99	1629.30	422,560,903	22,841,302	418,577,904	14,019.09	27.2844
1976	101	1718.92	449,383,835	22,793,386	444,038,715	13,260.29	25.6660
1977	101	1748.55	488,779,846	27,595,966	483,467,326	15,782.20	28.5396
1978	104	1807.94	494,433,948	27,865,892	490,165,460	15,413.06	28.3785
1979	106	1853.71	529,996,431	30,846,555	523,460,762	16,640.44	29.4188
1980	106	1889.03	623,880,689	34,012,618	609,591,579	18,005.34	27.8609
1981	109	1933.64	695,487,179	35,567,962	695,478,283	18,394.30	25.5442
1982	105*	1976.17	705,647,888	41,819,275	692,987,088	21,161.78	30.2978
1983	106*	2022.37	651,402,395	46,306,272	631,554,858	22,897.03	36.5498
1984	106*	2047.23	635,420,700	48,580,190	613,448,456	23,729.72	39.7013
1985	107*	2110.52	618,275,930	56,711,674	589,857,835	26,870.95	48.1983
1986	107	2139.42	552,944,830	59,097,819	543,890,225	27,623.29	54.3012
1987	107	2148.07	551,850,149	53,101,745	541,972,837	24,720.68	48.9738
1988	108	2171.89	545,457,364	58,381,022	529,946,820	26,880.28	55.0588
1989	109	2205.05	586,716,169	76,501,442	588,403,918	34,693.74	64.9777
1990	112	2265.64	969,735,729	81,517,107	969,162,426	35,979.73	41.9909
1991	113	2330.30	1,289,813,259	79,773,732	1,240,127,592	34,233.25	32.1058
1992	116**	2376.79	1,374,092,030	81,109,752	1,330,349,165	34,125.75	30.4150
1993	116	2410.53	1,458,214,849	82,954,222	1,385,096,428	34,413.27	29.8910
1994	117	2471.04	1,547,661,937	80,787,856	1,502,960,398	32,693.87	26.8269
1995	118	2526.39	1,582,491,280	81,718,700	1,541,396,875	32,346.04	26.4612
1996	119	2614.71	1,652,360,408	90,740,650	1,638,227,013	34,703.91	27.6275
1997	122	2740.46	1,722,973,258	90,608,066	1,738,998,615	33,063.09	25.9148
1998	125	2818.57	1,705,463,552	90,608,066	1,699,798,067	32,146.82	26.5124

* Excluded Ely, Luverne, Pipestone, St. Paul Park which dropped below 5,000 population but received a reduced allocation per legislative action.

** Excluded Redwood Falls and Eveleth. Added Redwood Falls back in 1997 apportionment.

MSAS NEEDS MILEAGE COMPARISON

Mileage chart does not include mileage of the two new cities, St Paul Park and Stewartville becoming cities over 5,000 in 1997.

Municipality	1996 M.S.A.S. Needs Mileage	1997 M.S.A.S. Needs Mileage	Difference In Mileage	Municipality	1996 M.S.A.S. Needs Mileage	1997 M.S.A.S. Needs Mileage	Difference In Mileage
Albert Lea	18.65	18.65	0.00	Fergus Falls	21.86	21.86	0.00
Alexandria	13.68	14.12	0.44	Forest Lake	5.53	5.53	0.00
Andover	33.99	34.06	0.07	Fridley	25.34	25.24	-0.10
Anoka	11.98	11.98	0.00	Glencoe	6.94	6.94	0.00
Apple Valley	31.25	31.74	0.49	Golden Valley	23.55	23.55	0.00
Arden Hills	6.57	6.93	0.36	Grand Rapids	11.36	11.40	0.04
Austin	26.73	26.96	0.23	Ham Lake	22.85	23.55	0.70
Bemidji	14.35	14.40	0.05	Hastings	16.62	16.62	0.00
Blaine	32.78	32.86	0.08	Hermantown	12.99	12.99	0.00
Bloomington	73.73	75.34	1.61	Hibbing	50.74	50.74	0.00
Brainerd	14.25	14.25	0.00	Hopkins	9.41	9.41	0.00
Brooklyn Center	21.67	21.67	0.00	Hugo	15.21	14.69	-0.52
Brooklyn Park	45.33	46.70	1.37	Hutchinson	14.73	14.73	0.00
Buffalo	9.00	9.10	0.10	International Falls	8.06	8.06	0.00
Burnsville	43.69	43.69	0.00	Inver Grove Heights	24.66	24.66	0.00
Cambridge	5.80	7.12	1.32	Lake Elmo	9.53	9.53	0.00
Champlin	15.22	17.01	1.79	Lakeville	41.68	42.58	0.90
Chanhassen	21.53	21.57	0.04	Lino Lakes	15.57	18.67	3.10
Chaska	13.65	13.58	-0.07	Litchfield	8.06	8.06	0.00
Chisholm	7.68	7.99	0.31	Little Canada	6.77	8.09	1.32
Cloquet	19.78	19.78	0.00	Little Falls	13.71	15.67	1.96
Columbia Heights	12.53	12.53	0.00	Mahtomedi	4.55	6.58	2.03
Coon Rapids	37.67	37.67	0.00	Mankato **	31.67	31.67	0.00
Corcoran	14.18	14.18	0.00	Maple Grove	41.35	41.35	0.00
Cottage Grove	29.32	29.32	0.00	Maplewood	19.01	22.44	3.43
Crookston	11.12	11.46	0.34	Marshall	12.73	14.88	2.15
Crystal	17.88	17.88	0.00	Mendota Heights	13.51	13.51	0.00
Dayton	0.00	9.43	9.43	Minneapolis **	194.76	201.07	6.31
Detroit Lakes	9.54	9.54	0.00	Minnetonka	49.94	49.93	-0.01
Duluth	105.92	105.89	-0.03	Montevideo	8.08	8.08	0.00
Eagan	44.31	46.36	2.05	Monticello	5.99	5.99	0.00
East Bethel	24.64	25.48	0.84	Moorhead **	28.18	30.09	1.91
East Grand Forks	11.82	11.82	0.00	Morris	6.66	6.66	0.00
Eden Prairie	42.76	42.66	-0.10	Mound	8.05	8.05	0.00
Edina	39.36	39.36	0.00	Mounds View	9.82	9.82	0.00
Elk River	24.58	25.78	1.20	New Brighton	14.17	14.57	0.40
Fairmont	19.38	19.38	0.00	New Hope	12.70	12.70	0.00
Falcon Heights	2.54	2.54	0.00	New Ulm	14.15	14.16	0.01
Faribault	21.40	21.40	0.00	North Branch	15.64	21.73	6.09
Farmington	10.65	10.65	0.00	North Mankato	11.86	12.42	0.56

** Total of these cities includes mileage that is considered as 1/2 mileage.

Municipality	1996 M.S.A.S. Needs Mileage	1997 M.S.A.S. Needs Mileage	Difference In Mileage
North St. Paul	10.68	10.68	0.00
Northfield	11.25	12.06	0.81
Oak Grove	19.01	19.50	0.49
Oakdale	16.72	16.72	0.00
Orono	12.58	12.58	0.00
Otsego	13.08	13.61	0.53
Owatonna	17.57	17.56	-0.01
Plymouth	48.84	48.91	0.07
Prior Lake	15.17	15.16	-0.01
Ramsey	28.73	29.18	0.45
Red Wing **	22.59	22.59	0.00
Redwood Falls	7.87	7.87	0.00
Richfield	26.21	26.21	0.00
Robbinsdale	10.33	10.33	0.00
Rochester	55.20	60.05	4.85
Rosemount	21.34	22.32	0.98
Roseville	28.70	28.70	0.00
St. Anthony	5.18	5.63	0.45
St. Cloud	49.74	52.22	2.48
St. Louis Park	28.70	28.92	0.22
St. Michael	14.77	14.77	0.00
St. Paul **	159.58	159.02	-0.56
St. Paul Park	0.00	0.00	0.00
St. Peter	10.59	10.59	0.00
Sartell	7.16	7.16	0.00
Sauk Rapids	9.03	10.17	1.14
Savage	14.69	16.36	1.67
Shakopee	19.33	19.38	0.05
Shoreview	14.75	15.51	0.76
Shorewood	9.29	8.24	-1.05
South St. Paul	14.72	16.32	1.60
Spring Lake Park	5.23	5.25	0.02
Stewartville	0.00	0.00	0.00
Stillwater	12.80	12.80	0.00
Thief River Falls	13.56	13.99	0.43
Vadnais Heights	6.86	6.86	0.00
Virginia	12.33	12.33	0.00
Waite Park	6.45	6.45	0.00
Waseca	6.31	6.31	0.00
West St. Paul	12.12	13.10	0.98
White Bear Lake	20.03	20.03	0.00
Willmar	23.91	23.90	-0.01
Winona	21.75	21.75	0.00
Woodbury	37.00	38.18	1.18
Worthington	9.81	9.81	0.00
TOTAL	2740.46	2810.18	69.72

THEORETICAL 1998 M.S.A.S. POPULATION APPORTIONMENT

The State Demographer's and Metropolitan Council's 1996 population estimates along with the Federal Census will be used to allocate 50% of the funds in the 1998 apportionment.

The estimate was used to compute the projected population apportionment when the City's population was larger than the 1990 census or special census. The census was used if the estimate indicated a lower population.

Fifty percent of the total sum is distributed on a prorated share that each city population bears to the total population. Each city will earn approximately \$14.70 per capita in apportionment from the 1998 population apportionment distribution. This projection will be somewhat revised when the actual revenue for the 1998 apportionment becomes available or if additional cities should exceed 5,000 population prior to January 1, 1998.

The following adjustments were made to the 1990 census and the 1996 estimate due to annexations.

Prior Lake	+ 3	Sartell	+ 3
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The following portion to the Statute was passed in 1997:

The population of a city that is not receiving a municipal state-aid apportionment shall be determined, upon request of the city, by the most recent population estimate of the metropolitan council or the state demographer. A municipal state-aid street fund apportionment received by the city must be based on this population estimate until the next federal census or special census.

Three cities were affected by this new Statute. They are Dayton located in the northwest metro area, north of Maple Grove, Stewartville located south of Rochester, St. Paul Park located in the southeast metro area, west of Cottage Grove. The population estimate for Dayton is 5,058, Stewartville 5,032, St. Paul Park 5,024.

TENTATIVE 1998 POPULATION APPORTIONMENT

(The allocation per Capita equals approximately \$14.70)

The 1990 Census and the 1996 Estimate includes population increases or decreases due to annexations or detachments.

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 Estimate & 90 Census	Tentative Population used for 1998 Allocation	Tentative 1998 Allocation Using 1990 Census or 96 Estimate
***	Albert Lea	18,310	18,338	18,207	18,183	(131)	(24)	(127)	18,310	\$269,175
	Alexandria	8,029	8,251	8,274	8,348	23	74	319	8,348	122,724
	Andover	15,216	19,465	20,497	21,495	1,032	998	6,279	21,495	315,998
	Anoka	17,192	17,509	17,533	17,693	24	160	501	17,693	260,105
	Apple Valley	34,598	39,188	40,684	41,578	1,496	894	6,980	41,578	611,238
	Arden Hills	9,199	9,426	9,560	9,678	134	118	479	9,678	142,276
	Austin	21,953	22,062	22,055	22,082	(7)	27	129	22,082	324,628
	Bemidji	11,166	11,494	11,422	11,509	(72)	87	343	11,509	169,194
	Blaine	38,975	41,658	42,268	43,029	610	761	4,054	43,029	632,570
	Bloomington	86,335	86,683	86,912	87,292	229	380	957	87,292	1,283,280
	Brainerd	12,353	12,521	12,579	12,591	58	12	238	12,591	185,100
***	Brooklyn Center	28,887	28,484	28,463	28,502	(21)	39	(385)	28,887	424,668
	Brooklyn Park	56,381	58,471	59,832	61,297	1,361	1,465	4,916	61,297	901,128
	Buffalo	7,302	7,722	7,994	9,114	272	1,120	1,812	9,114	133,985
	Burnsville	51,288	54,525	55,550	56,952	1,025	1,402	5,664	56,952	837,252
	Cambridge	5,102	5,222	5,325	5,356	103	31	254	5,356	78,739
	Champlin	16,849	19,030	19,154	19,838	124	684	2,989	19,838	291,639
	Chanhausen	11,736	14,316	15,231	16,199	915	968	4,463	16,199	238,142
	Chaska	11,339	13,721	14,000	14,370	279	370	3,031	14,370	211,253
***	Chisholm	5,290	5,220	5,170	5,167	(50)	(3)	(123)	5,290	77,768
	Cloquet	10,885	11,070	11,160	11,164	90	4	279	11,164	164,122
***	Columbia Heights	18,910	18,882	18,681	18,683	(201)	2	(227)	18,910	277,996
	Coon Rapids	52,978	58,991	59,981	60,703	990	722	7,725	60,703	892,395
	Corcoran	5,199	5,508	5,549	5,615	41	66	416	5,615	82,546
	Cottage Grove	22,935	26,675	27,726	29,031	1,051	1,305	6,096	29,031	426,785
	Crookston	8,119	8,163	8,135	8,152	(28)	17	33	8,152	119,843
***	Crystal	23,788	23,703	23,661	23,667	(42)	6	(121)	23,788	349,708
*****	Dayton				5,058		5,058	5,058	5,058	74,358
	Detroit Lakes	7,147	7,301	7,317	7,324	16	7	177	7,324	107,670
	Duluth	85,493	85,746	85,665	85,511	(81)	(154)	18	85,511	1,257,098

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 Estimate & 90 Census	Tentative Population used for 1998 Allocation	Tentative 1998 Allocation Using 1990 Census or 96 Estimate
	Eagan	47,409	54,957	56,681	57,757	1,724	1,076	10,348	57,757	\$849,086
	East Bethel	8,050	8,702	8,995	9,172	293	177	1,122	9,172	134,838
	East Grand Forks	8,658	8,947	8,983	9,003	36	20	345	9,003	132,353
	Eden Prairie	39,311	44,189	46,310	47,840	2,121	1,530	8,529	47,840	703,296
	Edina	46,075	46,841	46,845	47,029	4	184	954	47,029	691,374
	Elk River	11,143	12,811	13,286	14,019	475	733	2,876	14,019	206,093
***	Fairmont	11,265	11,350	11,340	11,337	(10)	(3)	72	11,337	166,665
	Falcon Heights	5,380	5,297	5,355	5,384	58	29	4	5,384	79,150
	Faribault	17,090	18,492	18,727	18,838	235	111	1,748	18,838	276,938
	Farmington	5,940	6,870	7,708	8,770	838	1,062	2,830	8,770	128,928
	Fergus Falls	12,701	12,596	12,876	13,079	280	203	378	13,079	192,274
	Forest Lake	6,008	6,397	6,538	6,641	141	103	633	6,641	97,629
***	Fridley	28,335	28,104	28,204	28,267	100	63	(68)	28,335	416,553
**	Glencoe	5,196		5,196	5,196	5,196	0	0	5,196	76,386
***	Golden Valley	20,971	20,947	20,911	20,870	(36)	(41)	(101)	20,971	308,295
	Grand Rapids	7,976	8,163	8,159	8,366	(4)	207	390	8,366	122,989
	Ham Lake	8,924	9,825	10,243	11,030	418	787	2,106	11,030	162,152
	Hastings	15,478	16,200	16,392	16,920	192	528	1,442	16,920	248,741
	Hermantown	6,761	7,237	7,093	7,133	(144)	40	372	7,133	104,862
***	Hibbing	18,046	17,964	17,857	17,824	(107)	(33)	(222)	18,046	265,294
	Hopkins	16,529	16,536	16,573	16,665	37	92	136	16,665	244,992
**	Hugo	5,223	5,208	5,324	5,625	116	301	402	5,625	82,693
	Hutchinson	11,459	12,174	12,505	12,587	331	82	1,128	12,587	185,042
***	International Falls	8,301	7,811	7,828	7,810	17	(18)	(491)	8,301	122,033
	Inver Grove Heights	22,477	25,243	26,012	26,981	769	969	4,504	26,981	396,648
	Lake Elmo	5,874	6,072	6,148	6,192	76	44	318	6,192	91,029
*	Lakeville	33,274	32,978	34,292	36,002	1,314	1,710	2,728	36,002	529,266
	Lino Lakes	8,807	12,266	13,097	13,756	831	659	4,949	13,756	202,227
	Litchfield	6,090	6,138	6,133	6,138	(5)	5	48	6,138	90,235
	Little Canada	8,971	9,225	9,337	9,469	112	132	498	9,469	139,204
	Little Falls	7,371	7,595	7,595	7,647	0	52	276	7,647	112,419
	Mahtomedi	5,633	6,353	6,543	6,865	190	322	1,232	6,865	100,922
	Mankato	31,412	31,913	31,977	32,000	64	23	588	32,000	470,432
	Maple Grove	38,736	43,542	44,313	44,996	771	683	6,260	44,996	661,486
	Maplewood	30,954	32,903	33,533	34,008	630	475	3,054	34,008	499,952

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 Estimate & 90 Census	Tentative Population used for 1998 Allocation	Tentative 1998 Allocation Using 1990 Census or 96 Estimate
	Marshall	12,023	12,397	12,331	12,348	(66)	17	325	12,348	\$181,528
	Mendota Heights	9,388	10,636	10,757	10,856	121	99	1,468	10,856	159,594
***	Minneapolis	368,383	366,480	365,889	364,382	(591)	(1,507)	(4,001)	368,383	5,415,601
	Minnetonka	48,370	50,569	50,927	51,607	358	680	3,237	51,607	758,675
	Montevideo	5,499	5,519	5,505	5,524	(14)	19	25	5,524	81,208
	Monticello	5,045	5,527	5,885	6,334	358	449	1,289	6,334	93,116
	Moorhead	32,295	33,618	33,675	33,800	57	125	1,505	33,800	496,894
	Morris	5,613	5,647	5,627	5,663	(20)	36	50	5,663	83,252
	Mound	9,634	9,592	9,584	9,695	(8)	111	61	9,695	142,526
	Mounds View	12,541	12,552	12,561	12,789	9	228	248	12,789	188,011
	New Brighton	22,207	22,328	22,538	22,584	210	46	377	22,584	332,008
***	New Hope	21,853	21,651	21,646	21,698	(5)	52	(155)	21,853	321,261
	New Ulm	13,132	13,477	13,628	13,881	151	253	749	13,881	204,065
****	North Branch	5,140	5,140	5,354	5,726	214	372	586	5,726	84,178
	North Mankato	10,662	11,183	11,340	11,561	157	221	899	11,561	169,958
	North St. Paul	12,376	12,809	12,813	12,764	4	(49)	388	12,764	187,644
	Northfield	14,684	15,352	15,667	15,859	315	192	1,175	15,859	233,143
****	Oak Grove	5,488	5,997	6,097	6,254	100	157	766	6,254	91,940
	Oakdale	18,403	22,933	23,835	24,862	902	1,027	6,459	24,862	365,496
	Orono	7,285	7,444	7,476	7,577	32	101	292	7,577	111,390
	Otsego	5,380	6,017	6,283	6,391	266	108	1,011	6,391	93,954
	Owatonna	19,386	20,280	20,433	20,577	153	144	1,191	20,577	302,503
	Plymouth	50,889	57,391	58,960	60,344	1,569	1,384	9,455	60,344	887,118
	Prior Lake	11,485	12,559	13,129	13,519	570	390	2,034	13,519	198,743
	Ramsey	12,408	14,907	15,805	16,431	898	626	4,023	16,431	241,552
	Red Wing	15,134	15,645	15,701	15,770	56	69	636	15,770	231,835
****	Redwood Falls	5,062		5,134	5,164	5,134	30	102	5,164	75,916
***	Richfield	35,710	35,261	35,237	34,672	(24)	(565)	(1,038)	35,710	524,973
***	Robbinsdale	14,396	14,255	14,206	14,196	(49)	(10)	(200)	14,396	211,636
	Rochester	70,981	76,865	76,559	77,209	(306)	650	6,228	77,209	1,135,050
	Rosemount	8,622	11,086	11,721	12,272	635	551	3,650	12,272	180,411
	Roseville	33,485	33,674	33,942	34,014	268	72	529	34,014	500,040
	St. Anthony	7,727	7,939	8,362	8,400	423	38	673	8,400	123,488
	St. Cloud	56,922	58,253	58,566	58,646	313	80	1,724	58,646	862,155
	St. Louis Park	43,787	43,641	43,568	43,967	(73)	399	180	43,967	646,359

		1990 or Special Census	1994 Population Estimate	1995 Population Estimate	1996 Population Estimate	Difference between 94 & 95 Estimate	Difference between 95 & 96 Estimate	Difference between 96 Estimate & 90 Census	Tentative Population used for 1998 Allocation	Tentative 1998 Allocation Using 1990 Census or 96 Estimate
****	St. Michael	5,867		6,559	6,875	6,559	316	1,008	6,875	\$101,069
***	St. Paul	272,235	271,660	271,120	270,441	(540)	(679)	(1,794)	272,235	4,002,129
*****	St. Paul Park				5,024		5,024	5,024	5,024	73,858
	St. Peter	9,481	9,782	9,833	9,789	51	(44)	308	9,789	143,908
	Sartell	5,675	6,455	7,063	7,536	608	473	1,861	7,536	110,787
	Sauk Rapids	7,823	8,946	9,216	9,318	270	102	1,495	9,318	136,984
	Savage	9,906	13,703	14,444	15,152	741	708	5,246	15,152	222,750
	Shakopee	11,739	13,041	13,752	14,292	711	540	2,553	14,292	210,107
	Shoreview	24,587	25,957	26,049	26,118	92	69	1,531	26,118	383,961
	Shorewood	5,913	6,613	6,794	6,889	181	95	976	6,889	101,275
	South St. Paul	20,197	20,396	20,255	20,211	(141)	(44)	14	20,211	297,122
	Spring Lake Park	6,532	6,628	6,717	6,742	89	25	210	6,742	99,114
*****	Stewartville				5,032		5,032	5,032	5,032	73,975
	Stillwater	13,972	15,350	15,739	15,906	389	167	1,934	15,906	233,834
	Thief River Falls	8,010	8,043	8,053	8,285	10	232	275	8,285	121,798
	Vadnais Heights	11,041	11,968	12,342	12,895	374	553	1,854	12,895	189,569
***	Virginia	9,431	9,232	9,173	9,169	(59)	(4)	(262)	9,431	138,645
	Waite Park	5,460	5,903	5,922	5,970	19	48	510	5,970	87,765
***	Waseca	8,385	8,184	8,263	8,434	79	171	49	8,434	123,988
	West St. Paul	19,248	19,332	19,421	19,450	89	29	202	19,450	285,935
	White Bear Lake	24,622	25,804	25,849	26,017	45	168	1,395	26,017	382,476
	Willmar	17,531	18,544	18,688	18,654	144	(34)	1,123	18,654	274,233
	Winona	26,286	25,805	26,623	26,612	818	(11)	326	26,612	391,223
*	Woodbury	26,900	28,627	31,258	33,426	2,631	2,168	6,526	33,426	491,397
	Worthington	9,977	10,200	10,260	10,411	60	151	434	10,411	153,053
TOTAL		2,866,995	2,969,988	3,021,628	3,072,381	51,640	50,753	205,386	3,081,696	\$45,304,033

* Took special census after the 1990 census.

** Took special census after the 1990 census and became a city over 5,000.

*** Used the 1990 census plus population adjustments for annexations or detachments (if any) for allocation.

**** Incorporated or consolidated after the 1990 census.

***** Used estimate in becoming a city over 5,000 population.

Population apportionment equals total population apportionment
divided by total population times the city's population.

1998 \$45,304,033 Equals \$14.70100652 Per person
App. 3,081,696

1998 TENTATIVE POPULATION APPORTIONMENT

(The allocation per Capita equals approximately \$14.70)

The 1990 Census and the 1996 Estimate includes population increases or decreases due to annexations or detachments.

	Population Used for 1997 Allocation	Tentative Population Used for 1998 Allocation	1997 Allocation Using 1990 Census or 95 Estimate	Tentative 1998 Apport. Using 1990 Census or 96 Estimate	Tentative Difference Between 97 & 98 Apport.
Municipality					
*** Albert Lea	18,310	18,310	\$273,891	\$269,175	(\$4,716)
Alexandria	8,274	8,348	123,767	122,724	(1,043)
Andover	20,497	21,495	306,606	315,998	9,392
Anoka	17,533	17,693	262,268	260,105	(2,163)
Apple Valley	40,684	41,578	608,574	611,238	2,664
Arden Hills	9,560	9,678	143,004	142,276	(728)
Austin	22,055	22,082	329,911	324,628	(5,283)
Bemidji	11,422	11,509	170,857	169,194	(1,663)
Blaine	42,268	43,029	632,268	632,570	302
Bloomington	86,912	87,292	1,300,078	1,283,280	(16,798)
Brainerd	12,579	12,591	188,164	185,100	(3,064)
*** Brooklyn Center	28,887	28,887	432,108	424,668	(7,440)
Brooklyn Park	59,832	61,297	895,000	901,128	6,128
Buffalo	7,994	9,114	119,579	133,985	14,406
Burnsville	55,550	56,952	830,948	837,252	6,304
Cambridge	5,325	5,356	79,654	78,739	(915)
Champlin	19,154	19,838	286,516	291,639	5,123
Chanhassen	15,231	16,199	227,834	238,142	10,308
Chaska	14,000	14,370	209,420	211,253	1,833
*** Chisholm	5,290	5,290	79,131	77,768	(1,363)
Cloquet	11,160	11,164	166,937	164,122	(2,815)
*** Columbia Heights	18,910	18,910	282,866	277,996	(4,870)
Coon Rapids	59,981	60,703	897,229	892,395	(4,834)
Corcoran	5,549	5,615	83,005	82,546	(459)
Cottage Grove	27,726	29,031	414,741	426,785	12,044
Crookston	8,135	8,152	121,688	119,843	(1,845)
*** Crystal	23,788	23,788	355,834	349,708	(6,126)
***** Dayton		5,058		74,358	74,358
Detroit Lakes	7,317	7,324	109,452	107,670	(1,782)
Duluth	85,665	85,511	1,281,425	1,257,098	(24,327)

Municipality	Population Used for 1997 Allocation	Tentative Population Used for 1998 Allocation	1997 Allocation Using 1990 Census or 95 Estimate	Tentative 1998 Apport. Using 1990 Census or 96 Estimate	Tentative Difference Between 97 & 98 Apport.
Eagan	56,681	57,757	\$847,866	\$849,086	\$1,220
East Bethel	8,995	9,172	134,552	134,838	286
East Grand Forks	8,983	9,003	134,373	132,353	(2,020)
Eden Prairie	46,310	47,840	692,731	703,296	10,565
Edina	46,845	47,029	700,734	691,374	(9,360)
Elk River	13,286	14,019	198,739	206,093	7,354
Fairmont	11,340	11,337	169,630	166,665	(2,965)
Falcon Heights	5,380	5,384	80,477	79,150	(1,327)
Faribault	18,727	18,838	280,129	276,938	(3,191)
Farmington	7,708	8,770	115,301	128,928	13,627
Fergus Falls	12,876	13,079	192,606	192,274	(332)
Forest Lake	6,538	6,641	97,799	97,629	(170)
*** Fridley	28,335	28,335	423,851	416,553	(7,298)
** Glencoe	5,196	5,196	77,725	76,386	(1,339)
*** Golden Valley	20,971	20,971	313,696	308,295	(5,401)
Grand Rapids	8,159	8,366	122,047	122,989	942
Ham Lake	10,243	11,030	153,220	162,152	8,932
Hastings	16,392	16,920	245,201	248,741	3,540
Hermantown	7,093	7,133	106,101	104,862	(1,239)
*** Hibbing	18,046	18,046	269,942	265,294	(4,648)
Hopkins	16,573	16,665	247,908	244,992	(2,916)
** Hugo	5,324	5,625	79,639	82,693	3,054
Hutchinson	12,505	12,587	187,057	185,042	(2,015)
*** International Falls	8,301	8,301	124,171	122,033	(2,138)
Inver Grove Heights	26,012	26,981	389,102	396,648	7,546
Lake Elmo	6,148	6,192	91,965	91,029	(936)
* Lakeville	34,292	36,002	512,959	529,266	16,307
Lino Lakes	13,097	13,756	195,912	202,227	6,315
Litchfield	6,133	6,138	91,741	90,235	(1,506)
Little Canada	9,337	9,469	139,668	139,204	(464)
Little Falls	7,595	7,647	113,610	112,419	(1,191)
Mahtomedi	6,543	6,865	97,874	100,922	3,048
Mankato	31,977	32,000	478,330	470,432	(7,898)
Maple Grove	44,313	44,996	662,858	661,486	(1,372)
Maplewood	33,533	34,008	501,605	499,952	(1,653)

	Population Used for 1997 Allocation	Tentative Population Used for 1998 Allocation	1997 Allocation Using 1990 Census or 95 Estimate	Tentative 1998 Apport. Using 1990 Census or 96 Estimate	Tentative Difference Between 97 & 98 Apport.
Municipality					
Marshall	12,331	12,348	\$184,454	\$181,528	(\$2,926)
Mendota Heights	10,757	10,856	160,909	159,594	(1,315)
*** Minneapolis	368,383	368,383	5,510,477	5,415,601	(94,876)
Minnetonka	50,927	51,607	761,794	758,675	(3,119)
Montevideo	5,505	5,524	82,347	81,208	(1,139)
Monticello	5,885	6,334	88,031	93,116	5,085
Moorhead	33,675	33,800	503,729	496,894	(6,835)
Morris	5,627	5,663	84,172	83,252	(920)
Mound	9,634	9,695	144,111	142,526	(1,585)
Mounds View	12,561	12,789	187,894	188,011	117
New Brighton	22,538	22,584	337,136	332,008	(5,128)
*** New Hope	21,853	21,853	326,889	321,261	(5,628)
New Ulm	13,628	13,881	203,855	204,065	210
**** North Branch	5,354	5,726	80,088	84,178	4,090
North Mankato	11,340	11,561	169,630	169,958	328
North St. Paul	12,813	12,764	191,664	187,644	(4,020)
Northfield	15,667	15,859	234,356	233,143	(1,213)
**** Oak Grove	6,097	6,254	91,202	91,940	738
Oakdale	23,835	24,862	356,537	365,496	8,959
Orono	7,476	7,577	111,830	111,390	(440)
Otsego	6,283	6,391	93,985	93,954	(31)
Owatonna	20,433	20,577	305,648	302,503	(3,145)
Plymouth	58,960	60,344	881,956	887,118	5,162
Prior Lake	13,129	13,519	196,391	198,743	2,352
Ramsey	15,805	16,431	236,420	241,552	5,132
Red Wing	15,701	15,770	234,864	231,835	(3,029)
***** Redwood Falls	5,134	5,164	76,797	75,916	(881)
*** Richfield	35,710	35,710	534,170	524,973	(9,197)
*** Robbinsdale	14,396	14,396	215,343	211,636	(3,707)
Rochester	76,559	77,209	1,145,212	1,135,050	(10,162)
Rosemount	11,721	12,272	175,329	180,411	5,082
Roseville	33,942	34,014	507,723	500,040	(7,683)
St. Anthony	8,362	8,400	125,083	123,488	(1,595)
St. Cloud	58,566	58,646	876,063	862,155	(13,908)
St. Louis Park	43,787	43,967	654,990	646,359	(8,631)

	Municipality	Population Used for 1997 Allocation	Tentative Population Used for 1998 Allocation	1997 Allocation Using 1990 Census or 95 Estimate	Tentative 1998 Apport. Using 1990 Census or 96 Estimate	Tentative Difference Between 97 & 98 Apport.
****	St. Michael	6,559	6,875	\$98,113	\$101,069	\$2,956
***	St. Paul	272,235	272,235	4,072,242	4,002,129	(70,113)
*****	St. Paul Park		5,024		73,858	73,858
	St. Peter	9,833	9,789	147,087	143,908	(3,179)
	Sartell	7,063	7,536	105,652	110,787	5,135
	Sauk Rapids	9,216	9,318	137,858	136,984	(874)
	Savage	14,444	15,152	216,061	222,750	6,689
	Shakopee	13,752	14,292	205,710	210,107	4,397
	Shoreview	26,049	26,118	389,655	383,961	(5,694)
	Shorewood	6,794	6,889	101,628	101,275	(353)
	South St. Paul	20,255	20,211	302,986	297,122	(5,864)
	Spring Lake Park	6,717	6,742	100,477	99,114	(1,363)
*****	Stewartville		5,032		73,975	73,975
	Stillwater	15,739	15,906	235,433	233,834	(1,599)
	Thief River Falls	8,053	8,285	120,461	121,798	1,337
	Vadnais Heights	12,342	12,895	184,618	189,569	4,951
***	Virginia	9,431	9,431	141,074	138,645	(2,429)
	Waite Park	5,922	5,970	88,585	87,765	(820)
***	Waseca	8,385	8,434	125,427	123,988	(1,439)
	West St. Paul	19,421	19,450	290,510	285,935	(4,575)
	White Bear Lake	25,849	26,017	386,664	382,476	(4,188)
	Willmar	18,688	18,654	279,545	274,233	(5,312)
	Winona	26,623	26,612	398,242	391,223	(7,019)
*	Woodbury	31,258	33,426	467,576	491,396	23,820
	Worthington	10,260	10,411	153,476	153,052	(424)
	TOTAL	3,028,637	3,081,696	\$45,304,033	\$45,304,033	\$0

* Took special census after the 1990 census.

** Took special census after the 1990 census and became a city over 5,000.

*** Used the 1990 census plus population adjustments for annexations or detachments (if any) for allocation.

**** Incorporated or consolidated after the 1990 census.

***** Used estimate in becoming a city over 5,000 population.

Population apportionment equals total population apportionment divided by total population times the city's population.

1998 \$45,304,033 Equals \$14.70100652 Per person
Apport. 3,081,696

1997 \$45,304,033 Equals \$14.95855495 Per person
Apport. 3,028,637

1997 Needs Study Update

The following tabulation reflects the total difference between the 1996 and the 1997 25-year construction (money) needs study. This update was accomplished in three individual steps to measure the effect each type of revision has to the total needs.

1. **1997 Design Quantity Table Revisions** -- measures the effect on last years needs by comparing the old quantity tables and the new quantity tables approved by the Screening Board at the 1997 Spring Meeting.

2. **Accomplishments and system revisions** -- Reflects need changes due to construction, the addition of 20 year reinstatement and the addition of needs for new street designations or a reduction for revocations.

3. **1997 Traffic Count Update** -- is the result of the 1996 traffic counts updated in 1997.

The unit price study was not done in 1997. This allowed time for updating the Rural and Urban Design Quantity Tables.

The resulting 1997 25-year Construction Needs as adjusted in the "Tentative Determination of Construction (Money) Needs Apportionment " will be used in computing the 1998 Construction (money) needs apportionment.

1997 M.S.A.S. NEEDS STUDY UPDATE

Municipality	1996 Construction Needs	Design Table Change	Accomplish. & System Revisions	Traffic Update	1997 Construction Needs	Net Change	% Change 1996 to 1997
Albert Lea	\$10,942,271	(\$352,327)	\$726,520		\$11,316,464	\$374,193	3.4197
Alexandria	7,804,096	(253,323)	(88,919)		7,461,854	(342,242)	-4.3854
Andover	15,602,529	(478,792)	(252,337)		14,871,400	(731,129)	-4.6860
Anoka	6,311,613	(350,088)	0		5,961,525	(350,088)	-5.5467
Apple Valley	15,623,098	(474,294)	991,186		16,139,990	516,892	3.3085
Arden Hills	3,150,481	(30,155)	812,910		3,933,236	782,755	24.8456
Austin	18,155,592	(369,065)	1,697,828	\$68,012	19,552,367	1,396,775	7.6934
Bemidji	8,776,118	(292,572)	(72,722)		8,410,824	(365,294)	-4.1624
Blaine	19,670,873	(1,121,698)	(230,912)		18,318,263	(1,352,610)	-6.8762
Bloomington	64,444,718	(6,322,374)	1,778,256		59,900,600	(4,544,118)	-7.0512
Brainerd	6,543,289	(270,904)	193,658		6,466,043	(77,246)	-1.1805
Brooklyn Center	13,511,620	(1,247,530)	(1,881,183)		10,382,907	(3,128,713)	-23.1557
Brooklyn Park	21,125,183	(1,291,150)	518,871		20,352,904	(772,279)	-3.6557
Buffalo	6,599,243	(238,002)	(329,297)	(64,571)	5,967,373	(631,870)	-9.5749
Burnsville	22,146,704	(740,209)	794,833		22,201,328	54,624	0.2466
Cambridge	3,034,000	(76,498)	1,284,216		4,241,718	1,207,718	39.8061
Champlin	5,217,069	(145,958)	1,775,714		6,846,825	1,629,756	31.2389
Chanhassen	13,810,606	(453,557)	(2,110,302)		11,246,747	(2,563,859)	-18.5644
Chaska	9,970,733	(267,585)	(1,762,619)		7,940,529	(2,030,204)	-20.3616
Chisholm	3,493,282	23,022	553,907		4,070,211	576,929	16.5154
Cloquet	11,371,123	(316,223)	154,101		11,209,001	(162,122)	-1.4257
Columbia Heights	8,039,179	(372,088)	386,258		8,053,349	14,170	0.1763
Coon Rapids	17,568,402	(1,095,974)	36,204		16,508,632	(1,059,770)	-6.0323
Corcoran	5,063,425	417,674	(35,706)		5,445,393	381,968	7.5437
Cottage Grove	16,586,778	(549,945)	980,128		17,016,961	430,183	2.5935
Crookston	11,521,015	49,956	(37,239)		11,533,732	12,717	0.1104
Crystal	12,460,962	(207,878)	(777,836)		11,475,248	(985,714)	-7.9104
Dayton	0	0	6,216,113		6,216,113	6,216,113	100.00
Detroit Lakes	3,853,742	(96,029)	0	(1,436)	3,756,277	(97,465)	-2.5291
Duluth	66,148,838	879,181	(1,693,739)		65,334,280	(814,558)	-1.2314

Municipality	1996 Construction Needs	Design Table Change	Accomplish. & System Revisions	Traffic Update	1997 Construction Needs	Net Change	% Change 1996 to 1997
Eagan	\$19,319,909	(\$712,118)	\$1,135,289		\$19,743,080	\$423,171	2.1903
East Bethel	8,140,106	(177,313)	436,510		8,399,303	259,197	3.1842
East Grand Forks	5,069,727	7,336	0		5,077,063	7,336	0.1447
Eden Prairie	24,378,137	(916,217)	(702,520)		22,759,400	(1,618,737)	-6.6401
Edina	22,525,319	(1,131,477)	0		21,393,842	(1,131,477)	-5.0231
Elk River	12,561,268	(158,979)	1,598,786		14,001,075	1,439,807	11.4623
Fairmont	17,921,991	57,334	(241,353)		17,737,972	(184,019)	-1.0268
Falcon Heights	648,522	(1,404)	163,093		810,211	161,689	24.9319
Faribault	15,085,846	(514,312)	(196,284)		14,375,250	(710,596)	-4.7103
Farmington	9,578,626	(203,079)	0		9,375,547	(203,079)	-2.1201
Fergus Falls	11,358,870	(249,643)	(312,262)		10,796,965	(561,905)	-4.9468
Forest Lake	4,022,355	16,466	(376,294)		3,662,527	(359,828)	-8.9457
Fridley	9,283,164	(574,508)	(840,951)		7,867,705	(1,415,459)	-15.2476
Glencoe	5,241,495	(207,967)	76,995		5,110,523	(130,972)	-2.4988
Golden Valley	13,554,027	(262,399)	(296,244)		12,995,384	(558,643)	-4.1216
Grand Rapids	6,338,901	(336,891)	576,734		6,578,744	239,843	3.7837
Ham Lake	8,136,409	(452,146)	(69,892)		7,614,371	(522,038)	-6.4161
Hastings	6,071,583	(241,477)	0		5,830,106	(241,477)	-3.9772
Hermantown	5,022,396	(18,395)	0		5,004,001	(18,395)	-0.3663
Hibbing	23,319,052	818,155	304,151		24,441,358	1,122,306	4.8128
Hopkins	7,630,466	(343,320)	255,027		7,542,173	(88,293)	-1.1571
Hugo	8,294,382	152,337	(516,719)		7,930,000	(364,382)	-4.3931
Hutchinson	9,797,180	(235,086)	(753,791)		8,808,303	(988,877)	-10.0935
International Falls	4,677,817	(9,341)	123,913	\$40,748	4,833,137	155,320	3.3204
Inver Grove Height	14,188,831	(417,254)	(182,226)		13,589,351	(599,480)	-4.2250
Lake Elmo	2,765,527	31,278	0		2,796,805	31,278	1.1310
Lakeville	28,084,540	(789,584)	(1,203,535)		26,091,421	(1,993,119)	-7.0969
Lino Lakes	9,918,290	(124,893)	2,729,468		12,522,865	2,604,575	26.2603
Litchfield	5,445,901	(198,761)	(263)		5,246,877	(199,024)	-3.6546
Little Canada	4,877,453	(127,639)	1,074,653		5,824,467	947,014	19.4162
Little Falls	7,104,591	(239,953)	1,392,023		8,256,661	1,152,070	16.2159
Mahtomedi	1,853,531	6,363	848,629		2,708,523	854,992	46.1277
Mankato	23,696,877	(864,256)	(184,299)		22,648,322	(1,048,555)	-4.4249
Maple Grove	23,875,801	212,746	1,078,821		25,167,368	1,291,567	5.4095
Maplewood	12,465,338	(586,379)	954,911		12,833,870	368,532	2.9565

Municipality	1996 Construction Needs	Design Table Change	Accomplish. & System Revisions	Traffic Update	1997 Construction Needs	Net Change	% Change 1996 to 1997
Marshall	\$6,678,548	(\$119,622)	\$2,169,254		\$8,728,180	\$2,049,632	30.6898
Mendota Heights	6,135,336	(172,687)	0		5,962,649	(172,687)	-2.8146
Minneapolis	200,108,211	(7,334,466)	3,750,221		196,523,966	(3,584,245)	-1.7912
Minnetonka	25,231,336	(846,386)	(882,347)		23,502,603	(1,728,733)	-6.8515
Montevideo	4,033,649	(121,689)	0	\$35,959	3,947,919	(85,730)	-2.1254
Monticello	3,235,194	(125,119)	0	(55,165)	3,054,910	(180,284)	-5.5726
Moorhead	20,430,877	(56,242)	(253,405)		20,121,230	(309,647)	-1.5156
Morris	2,618,145	11,069	0		2,629,214	11,069	0.4228
Mound	3,945,650	(131,863)	0		3,813,787	(131,863)	-3.3420
Mounds View	5,615,917		(461,858)		5,154,059	(461,858)	-8.2241
New Brighton	7,297,548	(173,105)	(113,851)		7,010,592	(286,956)	-3.9322
New Hope	9,843,662	(455,554)	(301,355)		9,086,753	(756,909)	-7.6893
New Ulm	8,065,902	(158,333)	1,061,763		8,969,332	903,430	11.2006
North Branch	7,824,809	37,637	2,480,173		10,342,619	2,517,810	32.1773
North Mankato	6,262,139	(125,471)	1,470,406		7,607,074	1,344,935	21.4772
North St. Paul	6,286,767	(290,656)	(741,875)		5,254,236	(1,032,531)	-16.4239
Northfield	7,263,870	(183,143)	1,049,294		8,130,021	866,151	11.9241
Oak Grove	6,076,307	1,092,440	47,702		7,216,449	1,140,142	18.7637
Oakdale	8,510,743	(148,413)	(203,769)		8,158,561	(352,182)	-4.1381
Orono	9,431,993	(147,438)	(61,885)		9,222,670	(209,323)	-2.2193
Otsego	8,246,418	(190,676)	493,948	86,786	8,636,476	390,058	4.7300
Owatonna	12,090,094	(245,909)	(861,228)		10,982,957	(1,107,137)	-9.1574
Plymouth	27,372,632	(962,311)	(519,479)		25,890,842	(1,481,790)	-5.4134
Prior Lake	9,406,201	(340,629)	(354,586)		8,710,986	(695,215)	-7.3910
Ramsey	11,309,434	(100,138)	1,962,645		13,171,941	1,862,507	16.4686
Red Wing	16,000,434	(558,925)	(420,379)		15,021,130	(979,304)	-6.1205
Redwood Falls	4,798,118	28,634	213,589		5,040,341	242,223	5.0483
Richfield	15,973,800	(1,048,097)	(48,198)		14,877,505	(1,096,295)	-6.8631
Robbinsdale	5,826,811	(191,413)	(309,948)		5,325,450	(501,361)	-8.6044
Rochester	37,505,832	(1,638,428)	3,075,057		38,942,461	1,436,629	3.8304
Rosemount	13,230,904	(556,602)	512,876		13,187,178	(43,726)	-0.3305
Roseville	12,642,427	(352,841)	0		12,289,586	(352,841)	-2.7909
St. Anthony	3,488,180	(97,922)	532,454		3,922,712	434,532	12.4573
St. Cloud	29,679,784	(1,036,704)	1,420,083		30,063,163	383,379	1.2917
St. Louis Park	15,640,962	(614,019)	2,415,266		17,442,199	1,801,237	11.5199

Municipality	1996 Construction Needs	Design Table Change	Accomplish. & System Revisions	Traffic Update	1997 Construction Needs	Net Change	% Change 1996 to 1997
St. Michael	\$7,761,717	\$434,695	\$0		\$8,196,412	\$434,695	5.6005
St. Paul	150,107,887	(5,318,441)	(5,791,644)		138,997,802	(11,110,085)	-7.4014
St. Paul Park	0	0	1,293,839		1,293,839	1,293,839	100.00
St. Peter	7,129,662	(220,743)	776,281		7,685,200	555,538	7.7919
Sartell	4,842,178	(206,760)	(1,042,888)		3,592,530	(1,249,648)	-25.8076
Sauk Rapids	4,635,374	(180,570)	580,451		5,035,255	399,881	8.6267
Savage	12,130,143	(533,207)	649,890		12,246,826	116,683	0.9619
Shakopee	10,502,913	(143,598)	(827,284)		9,532,031	(970,882)	-9.2439
Shoreview	4,228,457	(84,832)	1,803,771		5,947,396	1,718,939	40.6517
Shorewood	6,000,734	(197,179)	(566,956)		5,236,599	(764,135)	-12.7340
South St. Paul	7,611,696	(321,146)	866,869		8,157,419	545,723	7.1695
Spring Lake Park	1,383,753	(53,654)	182,166		1,512,265	128,512	9.2872
Stewartville	0	0	944,369		944,369	944,369	100.00
Stillwater	6,560,965	(179,538)	(419,984)		5,961,443	(599,522)	-9.1377
Thief River Falls	11,372,275	52,836	2,287,930		13,713,041	2,340,766	20.5831
Vadnais Heights	1,864,608	(34,560)	0		1,830,048	(34,560)	-1.8535
Virginia	6,509,239	59,097	192,195		6,760,531	251,292	3.8605
Waite Park	4,353,372	(188,349)	(129,537)		4,035,486	(317,886)	-7.3021
Waseca	3,225,973	(76,702)	(20,555)		3,128,716	(97,257)	-3.0148
West St. Paul	5,860,639	(190,750)	191,798		5,861,687	1,048	0.0179
White Bear Lake	11,072,818	(363,401)	(436,431)		10,272,986	(799,832)	-7.2234
Willmar	11,794,956	(222,718)	(131,715)		11,440,523	(354,433)	-3.0050
Winona	11,969,007	(891,706)	574,868		11,652,169	(316,838)	-2.6472
Woodbury	27,048,868	(1,058,511)	132,899		26,123,256	(925,612)	-3.4220
Worthington	6,096,580	(171,601)	(67,672)		5,857,307	(239,273)	-3.9247
STATE TOTAL	\$1,722,973,258	(\$52,283,520)	\$34,663,481	\$110,333	\$1,705,463,552	(\$17,509,706)	-1.0162

1997 Itemized Tabulation of Needs

The 1997 money needs reflects an decrease due to the changes to the rural and urban quantity tables. See the Screening Board Resolutions for the unit prices used in the 1997 needs computation.

The 1997 itemized tabulation of needs on the following page shows all the construction items except the "after the fact needs" used in the Municipal State Aid Needs Study. The tabulation is provided to give each municipality the opportunity to compare its needs of the individual construction items to that of other cities. The cost per mile shown on this report does not include bridges and 18% of the engineering cost applied to the bridges because large bridges in some cities distort the average. The average is a more comparable cost for roadway construction cost per mile without bridges.

The overall average cost per mile is \$544,457. Vadnais Heights has the lowest cost per mile with \$266,771 while Fairmont has the highest cost with \$892,114 per mile.

Five cities which exceed \$800,000 per mile are listed alphabetically as follows: Fairmont, Farmington, Hopkins, and Minneapolis.

1997 ITEM BY ITEM TABULATION OF NEEDS

MUNICIPALITY	GRADING	COMPLETE STORM SEWER	STORM SEWER ADJUSTMENT	BASE	SURFACE	SHOULDER	CURB AND GUTTER	SIDEWALK	SIGNALS	LIGHTING	RETAINING WALLS	BRIDGES	RAILROAD CROSSINGS	ENGINEERING	MAINTENANCE	NEEDS	MILEAGE	COST PER MILE	MUNICIPALITY	
ALBERT LEA	\$1,543,045	\$254,967	\$692,064	\$2,157,457	\$1,002,583	\$7,735	\$638,772	\$804,570	\$538,200	\$373,000	\$39,000	\$84,813	\$1,348,750	\$1,707,297	\$124,211	\$11,316,464	18.65	\$602,233	ALBERT LEA	
ALEXANDRIA	823,757	702,882	281,952	1,517,252	749,690	7,439	536,340	816,681	525,600	282,400				1,123,919	93,942	7,461,854	14.12	528,460	ALEXANDRIA	
ANDOVER	1,129,319	3,413,342		1,363,261	1,397,620	64,850	941,466	2,633,448	765,000	681,200			110,750	2,250,047	121,097	14,871,400	34.06	436,624	ANDOVER	
ANOKA	626,010	1,341,448	15,664	700,196	580,329		590,910	657,112	324,000	239,600				898,973	68,283	5,961,525	11.98	497,623	ANOKA	
APPLE VALLEY	1,450,966	1,961,638	458,528	2,948,082	1,919,430		898,428	1,733,702	1,440,800	634,800	47,000			2,428,808	217,808	16,139,990	31.74	508,506	APPLE VALLEY	
ARDEN HILLS	314,502	728,149	69,064	591,846	308,604		255,222	460,270	171,800	138,600	102,320		164,750	594,923	33,186	3,833,236	6.93	567,567	ARDEN HILLS	
AUSTIN	2,897,726	1,192,143	441,440	2,616,997	1,424,087		893,964	1,302,931	856,400	539,200		3,773,300	469,500	2,953,385	191,294	19,552,367	26.96	585,277	AUSTIN	
BEMIDJI	824,733	992,304	108,224	1,299,040	859,655		500,034	715,732	520,200	288,000	10,000		387,250	1,267,971	98,571	8,410,824	14.40	546,847	BEMIDJI	
BLAINE	1,306,210	3,957,731	136,704	2,522,079	1,837,529	1,675	1,206,354	2,481,025	1,299,600	657,200				2,773,095	139,061	18,318,263	32.86	557,464	BLAINE	
BLOOMINGTON	6,630,866	8,783,728	1,125,672	11,157,291	7,220,385		3,492,468	4,729,944	4,089,800	1,506,800	21,000	375,760	1,103,750	9,042,745	620,391	59,900,600	75.34	790,083	BLOOMINGTON	
BRAINERD	887,475	161,463	457,816	1,205,833	874,384		498,312	624,766	383,200	285,000				971,584	96,110	6,466,043	14.25	453,757	BRAINERD	
BROOKLYN CENTER	984,151	1,104,857	627,984	2,012,256	1,384,207		483,492	615,679	974,200	433,400	42,867			1,559,364	160,450	10,382,907	21.67	479,137	BROOKLYN CENTER	
BROOKLYN PARK	1,470,879	3,606,290	536,136	3,150,269	2,471,566		1,146,528	1,628,789	2,153,200	875,200				3,066,998	247,049	20,352,904	46.70	435,822	BROOKLYN PARK	
BUFFALO	705,972	571,953	162,336	1,048,672	498,120		460,482	548,570	214,800	182,000	50,000		572,250	902,730	49,488	5,967,373	9.10	655,755	BUFFALO	
BURNSVILLE	2,554,169	1,509,129	693,488	4,343,385	2,717,693		1,397,574	2,021,975	2,387,200	873,800				3,329,710	373,205	22,201,328	43.69	508,156	BURNSVILLE	
CAMBRIDGE	394,564	758,010	63,368	492,470	358,149		276,516	384,918	143,600	142,400		549,780		641,481	36,462	4,241,718	7.12	518,531	CAMBRIDGE	
CHAMPLIN	356,021	1,141,609	32,752	633,325	943,598		403,908	1,357,506	442,800	340,200	76,300			1,031,043	87,763	6,846,825	17.01	402,518	CHAMPLIN	
CHANHASSEN	837,216	1,888,134	133,144	1,796,311	1,289,927		794,748	673,121	743,800	431,400	180,000	676,492		1,699,975	102,479	11,246,747	21.57	490,044	CHANHASSEN	
CHASKA	694,469	1,437,922	114,632	1,409,575	1,710,508	1,225	492,504	911,784	375,400	271,600	88,000	25,220	128,250	1,198,992	80,468	7,940,529	13.58	582,867	CHASKA	
CHISHOLM	706,483	519,122	121,752	691,813	339,048		248,382	329,046	160,600	154,400	37,500	105,000		614,365	42,700	4,070,211	7.99	496,272	CHISHOLM	
CLOQUET	1,386,429	2,228,090	27,768	1,781,990	886,197	11,162	645,336	918,762	437,200	382,400	37,000		730,750	1,693,812	105,105	11,209,001	19.78	566,684	CLOQUET	
COLUMBIA HEIGHTS	1,061,063	813,138	306,872	1,929,639	804,014		556,716	96,015	382,200	250,600	350,000		202,675	1,215,527	84,890	8,053,349	12.53	642,725	COLUMBIA HEIGHTS	
COON RAPIDS	1,334,959	585,735	341,760	2,248,679	2,231,674	672	1,081,542	1,694,097	1,672,200	753,400		1,801,624		2,474,342	287,948	16,508,632	37.67	390,417	COON RAPIDS	
CORCORAN	1,623,293	245,779		1,480,048	408,441	65,175	67,800	103,671	283,600	283,600				821,034	63,052	5,445,393	14.18	384,019	CORCORAN	
COTTAGE GROVE	1,483,295	2,154,586	323,960	3,026,407	1,668,981	20,681	999,156	1,938,283	1,259,600	586,400	236,000	570,000		2,568,124	181,488	17,016,961	29.32	560,947	COTTAGE GROVE	
CROOKSTON	722,518	663,833	222,144	1,227,272	581,594		398,238	704,175	255,600	229,200		4,705,740	800	1,747,996	74,622	11,533,732	11.46	595,811	CROOKSTON	
CRYSTAL	1,121,257	1,839,897	335,352	2,136,432	852,962		904,158	1,487,415	465,000	357,600	48,100		95,750	1,735,904	95,421	11,475,248	17.88	641,792	CRYSTAL	
DAYTON	847,341	698,288	21,360	1,890,391	793,915	23,054	211,620	165,529	188,600	188,600	183,000		113,000	942,245	39,170	6,216,113	9.43	659,185	DAYTON	
DETROIT LAKES	326,230	597,220	34,888	548,308	512,407	145	141,006	284,894	241,000	190,800				252,750	563,337	3,756,277	9.54	393,740	DETROIT LAKES	
DULUTH	9,857,665	5,000,569	1,795,664	15,005,525	4,765,505	131,473	3,109,518	3,379,548	3,095,600	1,789,800	154,000	6,085,317		686,300	9,874,181	603,615	65,334,280	105.89	559,533	DULUTH
EAGAN	1,547,638	1,306,993	709,152	3,227,301	2,880,948		1,006,314	2,232,038	2,047,200	927,200	139,000		407,500	2,957,632	354,164	19,743,080	46.36	425,865	EAGAN	
EAST BETHEL	624,935	1,835,303		999,944	805,676	67,383	499,464	999,768	529,600	509,600	168,699			1,266,726	95,205	8,399,303	25.48	329,643	EAST BETHEL	
EAST GRAND FORKS	656,168	695,991	107,512	1,010,788	609,415		312,930	54,468	335,200	236,400			222,300	763,412	72,479	5,077,063	11.82	429,532	EAST GRAND FORKS	
EDEN PRAIRIE	1,708,647	3,328,353	682,808	3,450,133	2,616,630		1,748,382	1,418,989	2,007,600	853,200	442,800	690,000	110,750	3,340,854	268,254	22,759,400	42.66	517,332	EDEN PRAIRIE	
EDINA	2,738,335	1,741,126	754,720	4,755,122	2,398,086		1,452,264	1,094,720	1,845,000	787,200	154,600	166,650		3,224,805	253,464	21,393,842	39.36	539,309	EDINA	
ELK RIVER	971,184	2,891,923	64,792	2,120,688	1,247,250	31,468	802,800	1,989,513	813,000	515,600	54,190		268,800	2,118,727	111,640	14,001,075	25.78	543,088	ELK RIVER	
FAIRMONT	2,670,352	3,174,454	67,640	3,511,520	1,135,596		867,300	1,531,200	622,000	387,600	12,000	448,800	493,000	2,685,860	130,644	17,737,972	19.38	892,114	FAIRMONT	
FALCON HEIGHTS	51,617	13,782	4,272	91,157	110,805		43,032	245,785	63,600	50,800				121,472	13,889	810,211	2.54	318,981	FALCON HEIGHTS	
FARIBAULT	1,498,851	675,318	294,056	2,632,842	1,381,787		654,936	1,741,483	721,200	428,000		1,404,280	628,250	2,170,979	143,268	14,375,250	21.40	606,120	FARIBAULT	
FARMINGTON	1,607,774	2,099,458	6,408	1,617,173	537,963		584,814	395,160	242,800	213,000	50,000		209,750	1,424,593	36,537	9,375,547	10.65	847,458	FARMINGTON	
FERGUS FALLS	1,027,578	1,019,868	347,456	1,692,686	803,661	3,588	578,124	617,766	471,400	331,800	10,500		1,625,600	1,633,111	91,032	10,796,965	21.86	469,084	FERGUS FALLS	
FOREST LAKE	427,605	808,544	46,280	823,558	236,076		290,136	204,223	133,000	110,600				554,401	28,104	3,662,527	5.53	662,301	FOREST LAKE	
FRIDLEY	799,909	555,874	691,352	1,424,882	1,279,054		378,234	699,600	504,800				191,500	1,174,537	167,963	7,867,705	25.24	311,716	FRIDLEY	
GLENCOE	625,233	955,552	137,416	1,083,049	376,041		293,514	408,679	163,400	138,800	7,000		110,750	773,898	37,191	5,110,523	6.94	736,387	GLENCOE	
GOLDEN VALLEY	1,443,484	1,483,862	484,872	2,598,553	1,156,948		785,502	586,883	814,400	471,000	10,000	475,000		1,958,737	154,768	12,995,384	23.55	531,651	GOLDEN VALLEY	
GRAND RAPIDS	663,764	762,604	225,704	1,172,609	670,563	5,415	453,426	413,329	416,000	228,000	30,000		465,800	991,298	80,232	6,578,744	11.40	577,083	GRAND RAPIDS	
HAM LAKE	366,772	2,570,343	27,768	622,492	934,670	6,929	815,472	471,000	471,000	471,000	83,070			1,146,515	98,340	7,614,371	23.55	323,328	HAM LAKE	
HASTINGS	562,740	477,776	332,504	823,319	835,505	1,735	414,594	513,853	509,000	332,400	49,000			873,436	104,244	5,830,106	16.62	350,789	HASTINGS	
HERMANTOWN	378,596	1,054,323		1,041,227	593,220	2,916	289,668	175,065	378,600	259,800	10,000			753,015	67,571	5,004,001	12.99	385,219	HERMANTOWN	
HIBBING	4,251,273	2,425,632	402,280	6,258,803	2,041,693	133,025	1,041,744	1,154,217	1,225,000	1,009,200		16,320	526,500	3,887,416	268,315	24,441,358	50.74	481,376	HIBBING	
HOPKINS	982,481	960,146	222,144	1,730,052	694,752		445,092	642,717	471,000	188,200				1,140,585	65,004	7,542,173	9.41	801,506	HOPKINS	
HUGO	2,100,877	1,114,045		1,635,515	447,501	52,253	307,290	425,850	293,800	293,800				1,200,769	58,300	7,930,000	14.69	539,823	HUGO	
HUTCHINSON	887,116	914,206	309,008	1,358,641	752,916		463,008	679,051	432,600	294,600	28,850	420,750	843,350	1,329,137	95,070	8,808,303	14.73	569,420	HUTCHINSON	
INTERNATIONAL FALLS	685,970	298,610	304,024	1,104,471	425,371		352,842	538,864	184,200	161,200				1,730,						

COMPARISON OF NEEDS BETWEEN 1996 AND 1997

The construction needs for St. Paul Park were based on 4.85 miles times \$266,771 per mile and Stewartville's needs were based on 3.54 miles times \$266,771 per mile.

Needs Year	Grading	Complete Storm Sewer	Sewer Adjustment	Base Needs	Surface Needs	Total Shoulder Needs	Curb & Gutter Construction
1996	\$198,384,345	\$186,084,564	\$39,506,744	\$246,824,970	\$266,523,896	\$1,113,583	\$96,614,532
1997	\$209,979,677	\$188,255,229	\$41,842,816	\$313,679,805	\$160,118,439	\$1,249,830	\$98,983,560
Difference	\$11,595,332	\$2,170,665	\$2,336,072	\$66,854,835	(\$106,405,457)	\$136,247	\$2,369,028
%	5.84%	1.17%	5.91%	27.09%	-39.92%	12.24%	2.45%
Needs Year	Sidewalk Construction	Traffic Signal Construction	Street Lighting Construction	Retaining Walls	Total Bridge Needs	Railroad Crossing Needs	Engineering
1996	\$123,605,795	\$100,519,200	\$54,216,600	\$13,194,138	\$83,795,638	\$35,324,950	\$260,227,687
1997	\$128,869,641	\$101,872,200	\$55,645,000	\$13,190,102	\$78,667,632	\$36,257,550	\$257,150,151
Difference	\$5,263,846	\$1,353,000	\$1,428,400	(\$4,036)	(\$5,128,006)	\$932,600	(\$3,077,536)
%	4.26%	1.35%	2.63%	-0.03%	-6.12%	2.64%	-1.18%
Needs Year	Total Maintenance Needs	Total Money Needs	Total Mileage	After the fact Right of way Needs	After the fact Bridge Needs	Overall Apportionment Needs	Needs To Apport. Ratio
1996	\$17,036,616	\$1,722,973,258	2740.46	48,504,581	\$16,020,268	\$1,787,498,107	19.7278
1997	\$17,463,711	\$1,705,463,552	2818.57	52,377,484	\$16,332,730	\$1,774,173,766	19.5807
Difference	\$427,095	(\$17,509,706)	78.11	\$3,872,903	\$312,462	(\$13,324,341)	-0.1471
%	2.51%	-1.02%	2.85%	7.98%	1.95%	-0.75%	

Tentative 1998 Construction Needs Apportionment

This tabulation shows each municipality's tentative construction (money) needs apportionment based on a projected apportionment amount. The actual amount of the road user fund for distribution to the Municipal State Aid Account will not be available until January 1998.

50% of the total apportionment is determined on a prorated share that each city's adjusted construction needs bears to the total of all the adjusted construction needs. This tabulation shows each municipality's construction needs apportionment based on the amount of funds available to allocate.

The 25-year construction needs or money needs shown on this report are those computed from the "1997 Needs Study Update". The adjusted 25 year construction needs are the result of subtracting for the Unencumbered Construction Fund and adding or subtracting for Bond Accounts, adding Non-existing Bridge Adjustments and adding Right-of-Way "After the fact needs". These adjustments to the actual needs are made as directed by the Screening Board Resolutions.

The September 1,1997 unencumbered construction fund balance was used as the adjustment in this report for estimating purposes. The unencumbered balance as of December 31,1997 will be used for the 1998 January apportionment.

This summary provides specific data and shows the impact of the adjustment to each municipality for the Screening Board's use in establishing the 1998 tentative Construction Needs Apportionment Determination.

The adjustments are listed individually following the tentative summary of adjustments to the 25 year actual 1997 Construction Needs.

TENTATIVE 1998 ADJUSTED CONSTRUCTION NEEDS APPORTIONMENT

Needs Value: \$1 in construction needs = approximately \$.02652 in apportionment
Needs for Stewartville 3.54 miles and St. Paul Park 4.85 miles were based at \$266,771 per mile.

Municipality	1997 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1997 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	Tentative 1998 Construction Needs Apportion- ment	% Of Total Dist.
Albert Lea	\$11,316,464	(\$1,346,536)	--	--	\$6,827	(\$1,339,709)	\$9,976,755	\$264,536	--	\$264,536	0.5839
Alexandria	7,461,854	(24,668)	--	--	--	(24,668)	7,437,186	197,199	--	197,199	0.4353
Andover	14,871,400	0	\$100,000	--	150,801	250,801	15,122,201	400,969	--	400,969	0.8851
Anoka	5,961,525	(407,813)	(432,235)	--	216,505	(623,543)	5,337,982	141,538	--	141,538	0.3124
Apple Valley	16,139,990	(504,298)	940,554	--	--	436,256	16,576,246	439,523	--	439,523	0.9702
Arden Hills	3,933,236	0	--	--	--	0	3,933,236	104,291	--	104,291	0.2302
Austin	19,552,367	(2,110,250)	--	--	--	(2,110,250)	17,442,117	462,482	--	462,482	1.0208
Bemidji	8,410,824	(881,340)	--	--	220,201	(661,139)	7,749,685	205,485	--	205,485	0.4536
Blaine	18,318,263	(2,487,150)	--	--	292,356	(2,194,794)	16,123,469	427,517	--	427,517	0.9437
Bloomington	59,900,600	(7,924,219)	--	\$2,326,375	5,542,214	(55,630)	59,844,970	1,586,803	--	1,586,803	3.5026
Brainerd	6,466,043	(1,073,197)	--	--	352,019	(721,178)	5,744,865	152,326	--	152,326	0.3362
Brooklyn Center	10,382,907	0	2,205,000	--	2,523,341	4,728,341	15,111,248	400,678	--	400,678	0.8844
Brooklyn Park	20,352,904	(2,401,867)	--	--	379,223	(2,022,644)	18,330,260	486,031	\$21,168	507,199	1.1195
Buffalo	5,967,373	0	--	--	--	0	5,967,373	158,226	--	158,226	0.3493
Burnsville	22,201,328	(210,732)	--	349,684	1,334,446	1,473,398	23,674,726	627,741	--	627,741	1.3856
Cambridge	4,241,718	(30,000)	596,142	--	--	566,142	4,807,860	127,482	15,480	142,962	0.3156
Champlin	6,846,825	(880,416)	--	--	123,432	(756,984)	6,089,841	161,474	--	161,474	0.3564
Chanhassen	11,246,747	(1,023,471)	--	--	65,000	(958,471)	10,288,276	272,796	--	272,796	0.6021
Chaska	7,940,529	(73,899)	--	346,355	92,467	364,923	8,305,452	220,221	--	220,221	0.4861
Chisholm	4,070,211	(115,247)	--	--	--	(115,247)	3,954,964	104,867	1,944	106,811	0.2358
Cloquet	11,209,001	(520,062)	595,000	--	22,271	97,209	11,306,210	299,787	4,752	304,539	0.6722
Columbia Heights	8,053,349	(1,487,231)	--	--	133,200	(1,354,031)	6,699,318	177,634	--	177,634	0.3921
Coon Rapids	16,508,632	(2,757,854)	--	--	1,060,488	(1,697,366)	14,811,266	392,724	--	392,724	0.8669
Corcoran	5,445,393	0	--	--	5,762	5,762	5,451,155	144,539	--	144,539	0.3190
Cottage Grove	17,016,961	(851,751)	--	43,731	458,865	(349,155)	16,667,806	441,951	--	441,951	0.9755
Crookston	11,533,732	(191,786)	--	--	1,050,364	858,578	12,392,310	328,585	--	328,585	0.7253
Crystal	11,475,248	(128,931)	--	--	3,682,636	3,553,705	15,028,953	398,496	--	398,496	0.8796
Dayton	6,216,113	0	--	--	--	0	6,216,113	164,822	--	164,822	0.3638
Detroit Lakes	3,756,277	(253,380)	--	--	--	(253,380)	3,502,897	92,880	--	92,880	0.2050
Duluth	65,334,280	(703,027)	--	1,054,200	310,355	661,528	65,995,808	1,749,894	118,080	1,867,974	4.1232

Municipality	1997 Actual 25-Year Construction Needs	(-) Unencumbered Construction Fund Balance Adjustment	(+ or -) Bond Account Adjustment	(+) Non- Existing Bridge Adjustment	(+) R/W Acquisition Adjustment	Total Affect Of Adjustments	1997 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	(+) TH Turnback Main- tenance Allowance	Tentative 1998 Construction Needs Apportion- ment	% Of Total Dist.
Eagan	\$19,743,080	\$0	\$975,000	--	\$392,508	\$1,367,508	\$21,110,588	\$559,752	--	\$559,752	1.2355
East Bethel	8,399,303	(804,836)	--	--	17,200	(787,636)	7,611,667	201,825	--	201,825	0.4455
East Grand Forks	5,077,063	(351,638)	--	--	121,700	(229,938)	4,847,125	128,523	--	128,523	0.2837
Eden Prairie	22,759,400	(717,618)	(1,503,337)	\$1,259,493	--	(961,462)	21,797,938	577,977	--	577,977	1.2758
Edina	21,393,842	(3,273,878)	--	938,240	305,393	(2,030,245)	19,363,597	513,430	--	513,430	1.1333
Elk River	14,001,075	0	525,000	--	250,867	775,867	14,776,942	391,814	--	391,814	0.8649
Fairmont	17,737,972	(851,166)	--	--	73,163	(778,003)	16,959,969	449,697	--	449,697	0.9926
Falcon Heights	810,211	(305,331)	(27,988)	--	--	(333,319)	476,892	12,645	--	12,645	0.0279
Faribault	14,375,250	(451,756)	--	--	2,346	(449,410)	13,925,840	369,247	--	369,247	0.8150
Farmington	9,375,547	(1,190,543)	--	--	83,865	(1,106,678)	8,268,869	219,251	--	219,251	0.4840
Fergus Falls	10,796,965	(351,265)	--	--	\$67,200	(284,065)	10,512,900	278,752	\$37,944	316,696	0.6990
Forest Lake	3,662,527	0	--	--	64,783	64,783	3,727,310	98,830	--	98,830	0.2181
Fridley	7,867,705	(930,006)	--	--	95,081	(834,925)	7,032,780	186,476	--	186,476	0.4116
Glencoe	5,110,523	(154,624)	--	--	--	(154,624)	4,955,899	131,407	--	131,407	0.2901
Golden Valley	12,995,384	(33,526)	--	--	419,693	386,167	13,381,551	354,815	--	354,815	0.7832
Grand Rapids	6,578,744	(58,884)	--	--	--	(58,884)	6,519,860	172,876	--	172,876	0.3816
Ham Lake	7,614,371	(56,540)	400,000	--	131,576	475,036	8,089,407	214,492	--	214,492	0.4735
Hastings	5,830,106	0	--	--	--	0	5,830,106	154,587	--	154,587	0.3412
Hermantown	5,004,001	(776,566)	--	--	129,858	(646,708)	4,357,293	115,535	--	115,535	0.2550
Hibbing	24,441,358	(1,051,868)	--	--	205,360	(846,508)	23,594,850	625,623	2,016	627,639	1.3854
Hopkins	7,542,173	(341,430)	--	--	--	(341,430)	7,200,743	190,929	--	190,929	0.4214
Hugo	7,930,000	(645,780)	--	--	--	(645,780)	7,284,220	193,143	--	193,143	0.4263
Hutchinson	8,808,303	(1,065,119)	--	--	175,000	(890,119)	7,918,184	209,952	--	209,952	0.4634
International Falls	4,833,137	(558,056)	--	--	--	(558,056)	4,275,081	113,355	--	113,355	0.2502
Inver Grove Height	13,589,351	(689,650)	--	--	1,127,132	437,482	14,026,833	371,925	--	371,925	0.8210
Lake Elmo	2,796,805	(390,054)	--	--	106,951	(283,103)	2,513,702	66,651	--	66,651	0.1471
Lakeville	26,091,421	0	--	813,036	712,328	1,525,364	27,616,785	732,265	--	732,265	1.6163
Lino Lakes	12,522,865	(1,113,784)	--	--	64,950	(1,048,834)	11,474,031	304,237	2,016	306,253	0.6760
Litchfield	5,246,877	(109,822)	--	--	--	(109,822)	5,137,055	136,210	--	136,210	0.3007
Little Canada	5,824,467	(50,000)	150,000	--	--	100,000	5,924,467	157,089	--	157,089	0.3467
Little Falls	8,256,661	(47,203)	--	--	407,923	360,720	8,617,381	228,492	--	228,492	0.5044
Mahtomedi	2,708,523	0	--	--	--	0	2,708,523	71,817	--	71,817	0.1585
Mankato	22,648,322	(468,289)	--	--	433,175	(35,114)	22,613,208	599,594	--	599,594	1.3235
Maple Grove	25,167,368	(252,568)	3,005,000	--	1,366,419	4,118,851	29,286,219	776,531	--	776,531	1.7140
Maplewood	12,833,870	(801,382)	--	--	--	(801,382)	12,032,488	319,044	--	319,044	0.7042

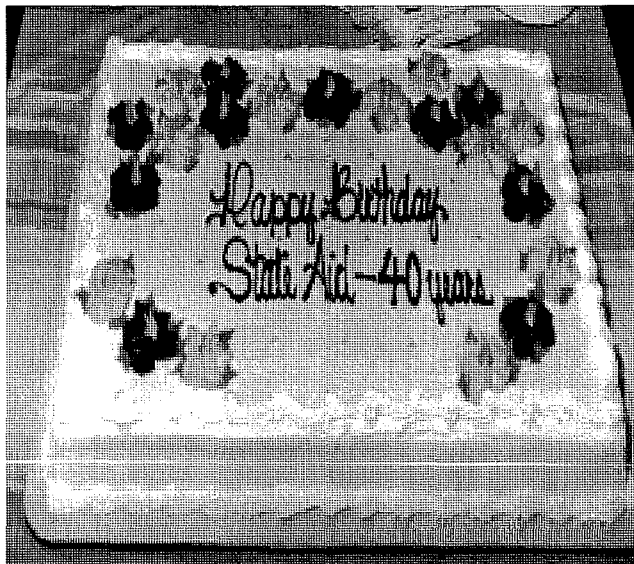
		(-)	(+ or -)	(+)	(+)			Construction	(+)	Tentative	
Municipality	1997 Actual 25-Year Construction Needs	Unencumbered Construction Fund Balance Adjustment	Bond Account Adjustment	Non- Existing Bridge Adjustment	R/W Acquisition Adjustment	Total Affect Of Adjustments	1997 Adjusted Construction Needs	Needs Apportion- ment Minus Turnback Maintenance	TH Turnback Main- tenance Allowance	1998 Construction Needs Apportion- ment	% Of Total Dist.
Marshall	\$8,728,180	(\$824,689)	(\$74,504)	--	\$14,443	(\$884,750)	\$7,843,430	\$207,970	--	\$207,970	0.4591
Mendota Heights	5,962,649	(491,257)	--	--	8,970	(482,287)	5,480,362	145,313	--	145,313	0.3208
Minneapolis	196,523,966	(6,577,050)	--	\$2,708,520	7,849,353	3,980,823	200,504,789	5,316,431	--	5,316,431	11.7350
Minnetonka	23,502,603	0	--	--	700,480	700,480	24,203,083	641,750	--	641,750	1.4165
Montevideo	3,947,919	(592,437)	--	--	17,121	(575,316)	3,372,603	89,425	--	89,425	0.1974
Monticello	3,054,910	(263,521)	--	--	149,510	(114,011)	2,940,899	77,979	--	77,979	0.1721
Moorhead	20,121,230	(21,738)	--	973,801	130,305	1,082,368	21,203,598	562,218	--	562,218	1.2410
Morris	2,629,214	(280,761)	--	--	2,379	(278,382)	2,350,832	62,333	--	62,333	0.1376
Mound	3,813,787	(107,545)	--	--	595,641	488,096	4,301,883	114,065	--	114,065	0.2518
Mounds View	5,154,059	(710,580)	--	--	--	(710,580)	4,443,479	117,820	--	117,820	0.2601
New Brighton	7,010,592	(254,797)	--	--	--	(254,797)	6,755,795	179,131	--	179,131	0.3954
New Hope	9,086,753	(314,139)	--	--	183,000	(131,139)	8,955,614	237,460	--	237,460	0.5241
New Ulm	8,969,332	(330,746)	--	--	--	(330,746)	8,638,586	229,054	--	229,054	0.5056
North Branch	10,342,619	(314,024)	--	--	--	(314,024)	10,028,595	265,911	--	265,911	0.5869
North Mankato	7,607,074	(32,031)	--	--	395,146	363,115	7,970,189	211,331	--	211,331	0.4665
North St. Paul	5,254,236	(200,797)	--	--	78,068	(122,729)	5,131,507	136,063	--	136,063	0.3003
Northfield	8,130,021	(773,455)	--	--	8,850	(764,605)	7,365,416	195,296	--	195,296	0.4311
Oak Grove	7,216,449	0	--	--	54,551	54,551	7,271,000	192,792	--	192,792	0.4256
Oakdale	8,158,561	(457,918)	928,781	--	233,629	704,492	8,863,053	235,006	--	235,006	0.5187
Orono	9,222,670	(831,252)	--	--	29,164	(802,088)	8,420,582	223,274	--	223,274	0.4928
Otsego	8,636,476	(785,616)	--	--	8,900	(776,716)	7,859,760	208,403	--	208,403	0.4600
Owatonna	10,982,957	0	--	--	--	0	10,982,957	291,216	--	291,216	0.6428
Plymouth	25,890,842	(2,471,616)	--	--	200,901	(2,270,715)	23,620,127	626,293	--	626,293	1.3824
Prior Lake	8,710,986	(684,598)	--	--	281,025	(403,573)	8,307,413	220,273	--	220,273	0.4862
Ramsey	13,171,941	(685,006)	--	303,077	171,648	(210,281)	12,961,660	343,681	--	343,681	0.7586
Red Wing	15,021,130	(323,400)	--	991,307	72,851	740,758	15,761,888	417,930	--	417,930	0.9225
Redwood Falls	5,040,341	(75,740)	(190,000)	--	--	(265,740)	4,774,601	126,600	--	126,600	0.2794
Richfield	14,877,505	(3,022,726)	--	--	3,613,615	590,889	15,468,394	410,148	--	410,148	0.9053
Robbinsdale	5,325,450	(939,057)	--	--	--	(939,057)	4,386,393	116,306	--	116,306	0.2567
Rochester	38,942,461	(1,373,414)	--	--	3,616,427	2,243,013	41,185,474	1,092,042	--	1,092,042	2.4105
Rosemount	13,187,178	(400,471)	(125,000)	--	--	(525,471)	12,661,707	335,728	--	335,728	0.7411
Roseville	12,289,586	(1,283,181)	1,100,000	2,814,714	1,660,726	4,292,259	16,581,845	439,671	--	439,671	0.9705
St. Anthony	3,922,712	(502,914)	--	--	--	(502,914)	3,419,798	90,677	--	90,677	0.2002
St. Cloud	30,063,163	0	1,185,000	--	1,489,274	2,674,274	32,737,437	868,041	\$8,784	876,825	1.9354
St. Louis Park	17,442,199	0	--	--	302,905	302,905	17,745,104	470,516	--	470,516	1.0386

		(-)	(+ or -)	(+)	(+)				(+)		
Municipality	1997 Actual 25-Year Construction Needs	Unencumbered Construction Fund Balance Adjustment	Bond Account Adjustment	Non- Existing Bridge Adjustment	R/W Acquisition Adjustment	Total Affect Of Adjustments	1997 Adjusted Construction Needs	Construction Needs Apportion- ment Minus Turnback Maintenance	TH Turnback Main- tenance Allowance	Tentative 1998 Construction Needs Apportion- ment	% Of Total Dist.
St. Michael	\$8,196,412	(\$224,442)	--	--	--	(\$224,442)	\$7,971,970	\$211,379	--	\$211,379	0.4666
St. Paul	138,997,802	(7,913,331)	--	--	\$4,511,685	(3,401,646)	135,596,156	3,595,363	--	3,595,363	7.9361
St. Paul Park	1,293,839	0	--	--	--	0	1,293,839	34,306	--	34,306	0.0757
St. Peter	7,685,200	(705,835)	--	--	26,182	(679,653)	7,005,547	185,754	--	185,754	0.4100
Sartell	3,592,530	0	--	--	115,505	115,505	3,708,035	98,319	--	98,319	0.2170
Sauk Rapids	5,035,255	0	--	--	3,944	3,944	5,039,199	133,616	--	133,616	0.2949
Savage	12,246,826	(89,557)	\$200,000	--	--	110,443	12,357,269	327,656	--	327,656	0.7232
Shakopee	9,532,031	(106,202)	--	--	--	(106,202)	9,425,829	249,928	--	249,928	0.5517
Shoreview	5,947,396	(143,249)	--	--	14,945	(128,304)	5,819,092	154,295	--	154,295	0.3406
Shorewood	5,236,599	(1,196,942)	--	--	--	(1,196,942)	4,039,657	107,112	--	107,112	0.2364
South St. Paul	8,157,419	(1,853,561)	--	--	--	(1,853,561)	6,303,858	167,148	--	167,148	0.3689
Spring Lake Park	1,512,265	0	--	--	129,350	129,350	1,641,615	43,528	--	43,528	0.0961
Stewartville	944,369	0	--	--	--	0	944,369	25,040	--	25,040	0.0553
Stillwater	5,961,443	(415,634)	--	--	19,061	(396,573)	5,564,870	147,554	--	147,554	0.3257
Thief River Falls	13,713,041	(461,542)	--	--	70,642	(390,900)	13,322,141	353,240	--	353,240	0.7797
Vadnais Heights	1,830,048	0	--	--	--	0	1,830,048	48,524	--	48,524	0.1071
Virginia	6,760,531	0	--	--	--	0	6,760,531	179,257	\$16,920	196,177	0.4330
Waite Park	4,035,486	0	--	--	28,764	28,764	4,064,250	107,765	--	107,765	0.2379
Waseca	3,128,716	(115,872)	--	--	5,000	(110,872)	3,017,844	80,019	--	80,019	0.1766
West St. Paul	5,861,687	(546,578)	--	--	--	(546,578)	5,315,109	140,931	--	140,931	0.3111
White Bear Lake	10,272,986	(123,728)	--	--	279,823	156,095	10,429,081	276,529	--	276,529	0.6104
Willmar	11,440,523	(804,543)	--	--	130,000	(674,543)	10,765,980	285,462	4,392	289,854	0.6398
Winona	11,652,169	(474,526)	--	--	--	(474,526)	11,177,643	296,378	--	296,378	0.6542
Woodbury	26,123,256	(228,567)	3,655,853	\$1,410,197	369,615	5,207,098	31,330,354	830,732	--	830,732	1.8337
Worthington	5,857,307	(971,073)	--	--	26,842	(944,231)	4,913,076	130,270	--	130,270	0.2875
STATE TOTAL	\$1,705,463,552	(\$88,583,965)	\$14,208,266	\$16,332,730	\$52,377,484	(\$5,665,485)	\$1,699,798,067	\$45,070,537	\$233,496	\$45,304,033	100.0000

Construction Needs Apportionment = \$45,070,537 / \$1,699,798,067= 0.026515230

x City's Adjusted Construction Needs + TH Turnback Maintenance Adjustment

ADJUSTMENTS TO THE



**1998 CONSTRUCTION
NEEDS**

NOTES

This image shows a full page of white paper with horizontal blue or grey ruling lines. The word "NOTES" is printed at the top center in a large, bold, black font. Below it are approximately 28 evenly spaced horizontal lines extending across the width of the page.

UNENCUMBERED CONSTRUCTION FUND BALANCE ADJUSTMENT

The unencumbered amount available as of December 31, 1997 will be used as a deduction from each city's total needs adjustment for the 1998 apportionment. The September 1, 1997 balance was used in this booklet. In 1996, the date that is used to deduct the unencumbered balances was changed from September 1 to December 31. See the Screening Board Resolution and the 1997 Needs Construction Apportionment spreadsheet on pages 35-39. The total fund balance decreased by \$32,604,081 between September 1, 1996 and December 31, 1996. The total fund balance decreased \$7,013,624 between September 1, 1996 and 1997 from \$95,597,589 to \$88,583,965. The September 1, 1997 unencumbered amount available includes the 1997 total construction apportionment amount of \$69,929,152. Just like State Aid advances, the remaining bond principal of \$20,401,556 will be deducted from future allocations and can be considered as spent.

Municipalities	Unencumbered Amount Available 12-31-96	Unencumbered Amount Available 9-01-97	Difference Between 1996 and 1997	State Aid Advance To be Paid From Future Allocations	Percentage of Total Amount in 1997 Account	Ratio to City's 1997 Construction Allotment
Albert Lea	\$1,254,257	\$1,346,536	\$92,279		1.5201	3.4189
Alexandria	0	24,668	24,668	(\$91,218)	0.0278	0.0972
Andover	200,484	0	(200,484)		0.0000	0.0000
Anoka	467,469	407,813	(59,656)		0.4604	1.3281
Apple Valley	0	504,298	504,298		0.5693	0.5627
Arden Hills	0	0	0	(163,999)	0.0000	0.0000
Austin	2,084,615	2,110,250	25,635		2.3822	2.9870
Bemidji	645,713	881,340	235,627		0.9949	3.0344
Blaine	1,682,129	2,487,150	805,021		2.8077	2.9983
Bloomington	6,517,392	7,924,219	1,406,827		8.9454	4.0516
Brainerd	1,006,077	1,073,197	67,120		1.2115	4.3144
Brooklyn Center	0	0	0		0.0000	0.0000
Brooklyn Park	1,441,975	2,401,867	959,892		2.7114	2.2694
Buffalo	0	0	0	(221,703)	0.0000	0.0000
Burnsville	213,654	210,732	(2,922)		0.2379	0.1947
Cambridge	0	30,000	30,000		0.0339	0.3138
Champlin	572,865	880,416	307,551		0.9939	2.8627
Chanhassen	490,164	1,023,471	533,307		1.1554	1.8551
Chaska	0	73,899	73,899		0.0834	0.1606
Chisholm	0	115,247	115,247		0.1301	0.9057
Cloquet	0	520,062	520,062	(88,203)	0.5871	1.6680
Columbia Heights	1,441,213	1,487,231	46,018		1.6789	5.0034
Coon Rapids	1,580,684	2,757,854	1,177,170		3.1133	2.1459
Corcoran	0	0	0	(356,375)	0.0000	0.0000
Cottage Grove	35,023	851,751	816,728		0.9615	1.0429
Crookston	83,830	191,786	107,956		0.2165	0.4852
Crystal	744,723	128,931	(615,792)		0.1455	0.2277
Detroit Lakes	172,185	253,380	81,195		0.2860	1.3297
Duluth	815,341	703,027	(112,314)		0.7936	0.3339
Eagan	0	0	0	(76,605)	0.0000	0.0000
East Bethel	504,036	804,836	300,800		0.9086	2.6757
East Grand Forks	295,302	351,638	56,336		0.3970	1.7946
Eden Prairie	0	717,618	717,618		0.8101	0.5798
Edina	2,864,882	3,273,878	408,996		3.6958	3.5136
Elk River	0	0	0	(122,843)	0.0000	0.0000

Municipalities	Unencumbered Amount Available 12-31-96	Unencumbered Amount Available 9-01-97	Difference Between 1996 and 1997	State Aid Advance To be Paid From Future Allocations	Percentage of Total Amount in 1997 Account	Ratio to City's 1997 Construction Allotment
Fairmont	\$249,437	\$851,166	\$601,729		0.9609	1.4145
Falcon Heights	361,677	305,331	(56,346)		0.3447	5.3879
Faribault	0	451,756	451,756		0.5100	0.8975
Farmington	857,051	1,190,543	333,492		1.3440	3.5699
Fergus Falls	0	351,265	351,265		0.3965	0.9583
Forest Lake	0	0	0		0.0000	0.0000
Fridley	1,196,914	930,006	(266,908)		1.0499	2.0894
Glencoe	0	154,624	154,624		0.1746	0.7568
Golden Valley	0	33,526	33,526	(186,798)	0.0378	0.0661
Grand Rapids	0	58,884	58,884		0.0665	0.2742
Ham Lake	154,862	56,540	(98,322)		0.0638	0.1748
Hastings	293,756	0	(293,756)	(500,000)	0.0000	0.0000
Hermantown	592,508	776,566	184,058		0.8766	4.2144
Hibbing	1,160,032	1,051,868	(108,164)		1.1874	1.6509
Hopkins	858,755	341,430	(517,325)		0.3854	0.8340
Hugo	433,262	645,780	212,518		0.7290	3.0387
Hutchinson	830,785	1,065,119	234,334		1.2024	2.6431
International Falls	333,390	558,056	224,666		0.6300	2.4839
Inver Grove Heights	132,473	689,650	557,177		0.7785	1.1750
Lake Elmo	244,443	390,054	145,611		0.4403	2.6787
Lakeville	0	0	0	(279,081)	0.0000	0.0000
Lino Lakes	788,133	1,113,784	325,651		1.2573	3.4202
Litchfield	485,646	109,822	(375,824)		0.1240	0.6647
Little Canada	302,065	50,000	(252,065)		0.0564	0.2613
Little Falls	22,138	47,203	25,065	(500,000)	0.0533	0.1657
Mahtomedi	0	0	0	(93,723)	0.0000	0.0000
Mankato	0	468,289	468,289		0.5286	0.5657
Maple Grove	275,738	252,568	(23,170)		0.2851	0.2571
Maplewood	911,859	801,382	(110,477)		0.9047	1.3340
Marshall	1,010,103	824,689	(185,414)		0.9310	2.6268
Mendota Heights	275,906	491,257	215,351		0.5546	2.0928
Minneapolis	2,710,875	6,577,050	3,866,175		7.4247	0.9274
Minnetonka	0	0	0	(1,400,000)	0.0000	0.0000
Montevideo	428,618	592,437	163,819		0.6688	3.6201
Monticello	134,323	263,521	129,198		0.2975	2.0397
Moorhead	478,051	21,738	(456,313)		0.0245	0.0263
Morris	170,003	280,761	110,758		0.3169	2.5349
Mound	711,255	107,545	(603,710)		0.1214	0.6215
Mounds View	469,636	710,580	240,944		0.8022	2.9492
New Brighton	0	254,797	254,797		0.2876	0.6456
New Hope	117,880	314,139	196,259		0.3546	0.8280
New Ulm	665,569	330,746	(334,823)		0.3734	0.8834
North Branch	103,894	314,024	210,130		0.3545	1.4944
North Mankato	0	32,031	32,031		0.0362	0.1008
North St. Paul	0	200,797	200,797		0.2267	0.7508

Municipalities	Unencumbered Amount Available 12-31-96	Unencumbered Amount Available 9-01-97	Difference Between 1996 and 1997	State Aid Advance To be Paid From Future Allocations	Percentage of Total Amount in 1997 Account	Ratio to City's 1997 Construction Allotment
Northfield	\$794,794	\$773,455	(\$21,339)		0.8731	2.5639
Oak Grove	216,490	0	(216,490)		0.0000	0.0000
Oakdale	0	457,918	457,918		0.5169	1.0000
Orono	638,844	831,252	192,408		0.9384	3.2627
Otsego	497,475	785,616	288,141		0.8869	3.5505
Owatonna	0	0	0		0.0000	0.0000
Plymouth	1,413,245	2,471,616	1,058,371		2.7901	1.6501
Prior Lake	368,979	684,598	315,619		0.7728	2.0846
Ramsey	244,621	685,006	440,385		0.7733	1.5208
Red Wing	223,513	323,400	99,887		0.3651	0.7415
Redwood Falls	0	75,740	75,740		0.0855	0.5793
Richfield	2,574,877	3,022,726	447,849		3.4123	4.2023
Robbinsdale	603,796	939,057	335,261		1.0601	2.8010
Rochester	282,842	1,373,414	1,090,572		1.5504	0.8310
Rosemount	0	400,471	400,471		0.4521	0.8697
Roseville	1,415,313	1,283,181	(132,132)		1.4485	1.8058
St. Anthony	422,008	502,914	80,906		0.5677	3.2783
St. Cloud	0	0	0	(1,000,000)	0.0000	0.0000
St. Louis Park	0	0	0	(675,000)	0.0000	0.0000
St. Michael	0	224,442	224,442		0.2534	1.0000
St. Paul	4,028,226	7,913,331	3,885,105		8.9331	1.5286
St. Peter	800,653	705,835	(94,818)		0.7968	2.3854
Sartell	136,251	0	(136,251)		0.0000	0.0000
Sauk Rapids	150,629	0	(150,629)		0.0000	0.0000
Savage	0	89,557	89,557		0.1011	0.1752
Shakopee	0	106,202	106,202		0.1199	0.2963
Shoreview	0	143,249	143,249		0.1617	0.2975
Shorewood	1,085,084	1,196,942	111,858		1.3512	6.9686
South St. Paul	1,611,071	1,853,561	242,490		2.0924	5.3903
Spring Lake Park	0	0	0	(105,663)	0.0000	0.0000
Stillwater	613,394	415,634	(197,760)		0.4692	1.4226
Thief River Falls	312,041	461,542	149,501		0.5210	1.3050
Vadnais Heights	0	0	0	(116,068)	0.0000	0.0000
Virginia	112,920	0	(112,920)		0.0000	0.0000
Waite Park	0	0	0		0.0000	0.0000
Waseca	0	115,872	115,872		0.1308	0.5803
West St. Paul	189,091	546,578	357,487		0.6170	1.5289
White Bear Lake	0	123,728	123,728	(450,000)	0.1397	0.2423
Willmar	331,754	804,543	472,789		0.9082	1.8477
Winona	9,324	474,526	465,202		0.5357	0.8934
Woodbury	0	228,567	228,567	(962,672)	0.2580	0.2091
Worthington	1,041,223	971,073	(70,150)		1.0962	3.5904
TOTAL	\$62,993,508	\$88,583,965	\$25,590,457	(\$7,389,951)	100.0000	1.7568

UNAMORTIZED BOND ACCOUNT BALANCE

(Amount as of December 31, 1996)
(For Reference, see Bond Adjustment Resolution)

The average principal and interest on all Bond sales cannot exceed 50 percent of the last construction apportionment preceding the Bond sale.

COLUMN B: Total Disbursements and Obligations: The amount of bond applied toward State Aid projects. A Report Of State Contract must be submitted by December 31 of the previous year to get credit for the expenditure.

COLUMN C: Unencumbered Bond Balance Available: The amount of the bond not applied toward a State Aid project.

COLUMN D: Unamortized Bond Balance: The remaining bond principal to be paid on the issue. This payment is made from the city's construction account. Interest payments are made from the maintenance account and are not reflected in this chart.

The bond account adjustment is computed by using two steps.

Step 1: (A minus B) Amount of issue minus disbursements = unencumbered balance.

Step 2: (D minus C minus E) Unamortized bond balance minus unencumbered balance = bond account adjustment.

		(A)	(B)	(C)	(D)	(E)	(D minus C minus E)
			Total Amount Applied Toward State Aid Projects	(A Minus B) Amount Not Applied Toward State Aid Projects	Remaining Amount of Principal To Be Paid	Off System Disburse- ment	Bond Account Adjustment
Municipality	Date of Issue	Amount of Issue					
Andover	8-01-88	\$500,000	\$500,000	\$0	\$100,000		\$100,000
Anoka	7-01-86	985,000	552,765	432,235	0		(432,235)
Apple Valley	8-01-79	875,000	875,000	0	305,000		305,000
Apple Valley	9-09-91	1,730,000	1,730,000	0	1,415,000	\$779,446	635,554
Brooklyn Center	9-01-91	3,000,000	3,000,000	0	2,205,000		2,205,000
Cambridge	8-01-94	650,000	641,142	8,858 *	605,000		596,142
Cloquet	12-01-93	835,000	835,000	0	595,000		595,000
Eagan	7-01-86	3,000,000	3,000,000	0	975,000		975,000
Eagan	12-01-96 **	995,000	0	995,000	995,000		0
Eden Prairie	11-10-91	370,000	261,663	108,337	255,000		146,663

		(A)	(B)	(C)	(D)	(E)	(D Minus C) minus E)
Municipality	Date of Issue	Amount of Issue	Total Amount Applied Toward State Aid Projects	(A Minus B) Amount Not Applied Toward State Aid Projects	Remaining Amount of Principal To Be Paid	Off System Disburse- ment	Bond Account Adjustment
Eden Prairie	7-01-92	\$1,940,000	\$0	\$1,940,000	\$290,000		(\$1,650,000)
Elk River	6-01-92	1,095,000	1,095,000	0	525,000		525,000
Falcon Heights	4-21-80	170,000	142,012	27,988	0		(27,988)
Ham Lake	9-01-94	530,000	530,000	0	400,000		400,000
Little Canada	11-01-93	315,000	300,000	15,000 *	165,000		150,000
Maple Grove	11-01-94	3,620,000	3,620,000	0	3,005,000		3,005,000
Marshall	7-01-81	310,000	235,496	74,504	0		(74,504)
Oakdale	11-10-92	453,181	453,181	0	286,313		286,313
Oakdale	11-23-93	887,640	887,640	0	642,468		642,468
Redwood Falls	12-01-82	215,000	25,000	190,000	0		(190,000)
Rosemount	7-05-94	700,000	0	700,000	575,000		(125,000)
Roseville	12-01-85	2,225,000	2,225,000	0	1,100,000		1,100,000
St. Cloud	11-01-92	1,940,000	1,755,000	185,000	1,370,000		1,185,000
Savage	10-01-87	875,000	875,000	0	200,000		200,000
Savage	06-17-96 **	717,775	0	717,775	717,775		0
Woodbury	10-01-94	3,890,000	3,870,853	19,147	3,675,000		3,655,853
TOTAL		\$32,823,596	\$27,409,752	\$5,413,844	\$20,401,556	\$779,446	\$14,208,266

* Overhead costs

** The bond adjustment will be adjusted annually by 10% starting in year principal is paid.

NON-EXISTING BRIDGE CONSTRUCTION

To compensate for not allowing needs for non-existing structures in the 25-year needs study, the Municipal Screening Board passed in the following resolution:

BE IT RESOLVED:

"The money needs for all "non-existing" bridges and grade separations be removed from the Needs Study until such time that a construction project is awarded. At that time a money needs adjustment shall be made by annually adding the total amount of the structure cost that is eligible for State Aid reimbursement for a 15-year period." This directive to exclude all Federal or State grants.

Municipality	MSAS No.	First Year of Adjustment	Year of Apportionment Expiration	15 Years Amount Expired	Project Needs	Total Needs Amount
Bloomington	433	1987	2001		\$1,255,688	
	399	1990	2004		1,070,687	
						\$2,326,375
Burnsville	108	1986	2000			349,684
Chaska	107	1997	2011			346,355
Cottage Grove	111	1997	2011			43,731
Duluth *	140	1987	2001			1,054,200
Eden Prairie	101	1985	1999		974,299	
	107	1997	2011		285,194	
						1,259,493
Edina	174	1997	2011			938,240
Lakeville	122	1996	2010			813,036
Minneapolis	336	1986	2000		1,082,670	
	419	1996	2010		1,625,850	
						2,708,520
Moorhead	135	1998	2012			973,801
Ramsey	104	1998	2012			303,077
Red Wing	122	1986	2000			991,307
Roseville	219	1987	2001			2,814,714
Woodbury	108	1996	2010			1,410,197
TOTAL						\$16,332,730

* Rehabilitation of the lift bridge which was approved by the Screening Board in 1986.

PROJECT LISTING OF RIGHT-OF-WAY ACQUISITION

MUNICIPALITY	PROJECT	PROJECT AMOUNT	TOTAL ADJUSTMENT
Andover	198-114-004	\$3,518	\$3,518
Brainerd	108-124-006	352,019	352,019
Brooklyn Park	110-104-007	130,358	144,406
	110-133-001	14,048	
Cottage Grove	180-112-005	28,563	28,563
Duluth	118-190-001	80,041	80,041
Edina	120-136-006	3,934	3,934
Elk River	204-132-001	56,640	56,640
Ham Lake	197-104-004	7,500	49,131
	197-109-001	41,631	
Lake Elmo	206-103-001	3,943	6,310
	206-104-004	2,367	
Lakeville	188-122-002	236,180	236,180
Little Falls	136-115-001	96,451	96,451
Minneapolis	141-184-008	38,807	38,807
Minnetonka	142-135-002	143,817	629,030
	142-137-001	43,966	
	142-150-001	304,178	
	142-159-001	137,069	
Montevideo	143-114-002	17,121	17,121
Mound	145-108-002	488,195	488,195
Oak Grove	223-107-001	24,652	24,652
Orono	152-102-001	29,164	29,164
Plymouth	155-156-011	7,937	7,937
Red Wing	156-104-005	10,675	10,675
Richfield	157-108-004	616,282	616,282
St. Cloud	162-121-009	265,782	265,782
St. Paul	164-125-021	728,140	728,140
Sartell	220-103-001	115,505	115,505
Shoreview	167-263-001	14,945	14,945
Stillwater	169-119-002	19,061	19,061
Thief River Falls	170-111-001	1,408	1,408
Woodbury	192-102-003	89,000	89,000
TOTAL			\$4,152,897

NEEDS ADJUSTMENT FOR RIGHT-OF-WAY ACQUISITION

(For reference, see Right-of-Way Resolution)

MUNICIPALITY	1981-1995 RIGHT-OF-WAY EXPENDITURES	1996 RIGHT-OF-WAY EXPENDITURES	1981 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1998 APPORTIONMENT
Albert Lea	\$6,827	--	--		\$6,827
Alexandria	--	--	--		--
Andover	147,283	\$3,518	--		150,801
Anoka	216,505	--	--		216,505
Apple Valley	--	--	--		--
Arden Hills	--	--	--		--
Austin	--	--	--		--
Bemidji	220,201	--	--		220,201
Blaine	292,356	--	--		292,356
Bloomington	5,687,514	--	(\$145,300)		5,542,214
Brainerd	--	352,019	--		352,019
Brooklyn Center	2,523,341	--	--		2,523,341
Brooklyn Park	234,817	144,406	--		379,223
Buffalo	--	--	--		--
Burnsville	1,334,446	--	--		1,334,446
Cambridge	--	--	--		--
Champlin	123,432	--	--		123,432
Chanhassen	65,000	--	--		65,000
Chaska	92,467	--	--		92,467
Chisholm	--	--	--		--
Cloquet	22,271	--	--		22,271
Columbia Heights	133,200	--	--		133,200
Coon Rapids	1,060,488	--	--		1,060,488
Corcoran	5,762	--	--		5,762
Cottage Grove	430,302	28,563	--		458,865
Crookston	1,050,364	--	--		1,050,364
Crystal	3,682,636	--	--		3,682,636
Dayton	--	--	--		--
Detroit Lakes	--	--	--		--
Duluth	230,314	80,041	--		310,355
Eagan	392,508	--	--		392,508
East Bethel	17,200	--	--		17,200
East Grand Forks	121,700	--	--		121,700
Eden Prairie	--	--	--		--
Edina	301,459	3,934	--		305,393
Elk River	194,227	56,640	--		250,867
Fairmont	74,988	--	(1,825)		73,163
Falcon Heights	--	--	--		--
Faribault	2,346	--	--		2,346
Farmington	83,865	--	--		83,865

MUNICIPALITY	1981-1995		1996		1981 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1998 APPORTIONMENT
	RIGHT-OF-WAY EXPENDITURES	+	RIGHT-OF-WAY EXPENDITURES	-			
Fergus Falls	\$67,200		--		--		\$67,200
Forest Lake	64,783		--		--		64,783
Fridley	95,081		--		--		95,081
Glencoe	--		--		--		--
Golden Valley	419,693		--		--		419,693
Grand Rapids	--		--		--		--
Ham Lake	82,445		\$49,131		--		131,576
Hastings	4,350		--		(\$4,350)		--
Hermantown	129,858		--		--		129,858
Hibbing	205,360		--		--		205,360
Hopkins	--		--		--		--
Hugo	--		--		--		--
Hutchinson	175,000		--		--		175,000
International Falls	--		--		--		--
Inver Grove Heights	1,127,132		--		--		1,127,132
Lake Elmo	100,641		6,310		--		106,951
Lakeville	476,148		236,180		--		712,328
Lino Lakes	64,950		--		--		64,950
Litchfield	--		--		--		--
Little Canada	--		--		--		--
Little Falls	311,472		96,451		--		407,923
Mahtomedi	--		--		--		--
Mankato	433,175		--		--		433,175
Maple Grove	1,366,419		--		--		1,366,419
Maplewood	--		--		--		--
Marshall	72,763		--		(58,320)		14,443
Mendota Heights	8,970		--		--		8,970
Minneapolis	7,844,897		38,807		(34,351)		7,849,353
Minnetonka	71,450		629,030		--		700,480
Montevideo	--		17,121		--		17,121
Monticello	149,510		--		--		149,510
Moorhead	130,305		--		--		130,305
Morris	2,379		--		--		2,379
Mound	107,446		488,195		--		595,641
Mounds View	--		--		--		--
New Brighton	--		--		--		--
New Hope	183,000		--		--		183,000
New Ulm	--		--		--		--
North Branch	--		--		--		--
North Mankato	395,146		--		--		395,146
North St. Paul	78,068		--		--		78,068
Northfield	8,850		--		--		8,850
Oak Grove	29,899		24,652		--		54,551
Oakdale	233,629		--		--		233,629
Orono	--		29,164		--		29,164

MUNICIPALITY	1981-1995 RIGHT-OF-WAY + EXPENDITURES	1996 RIGHT-OF-WAY - EXPENDITURES	1981 EXPIRED RIGHT-OF-WAY EXPENDITURES	=	TOTAL RIGHT-OF-WAY ADJUSTMENT FOR 1998 APPORTIONMENT
Otsego	\$8,900	--	--	--	\$8,900
Owatonna	--	--	--	--	--
Plymouth	192,964	\$7,937	--	--	200,901
Prior Lake	281,025	--	--	--	281,025
Ramsey	180,075	--	(\$8,427)	--	171,648
Red Wing	62,176	10,675	--	--	72,851
Redwood Falls	--	--	--	--	--
Richfield	2,997,333	616,282	--	--	3,613,615
Robbinsdale	--	--	--	--	--
Rochester	3,616,427	--	--	--	3,616,427
Rosemount	--	--	--	--	--
Roseville	1,660,726	--	--	--	1,660,726
St. Anthony	--	--	--	--	--
St. Cloud	1,223,492	265,782	--	--	1,489,274
St. Louis Park	302,905	--	--	--	302,905
St. Michael	--	--	--	--	--
St. Paul	3,788,466	728,140	(4,921)	--	4,511,685
St. Paul Park	--	--	--	--	--
St. Peter	26,182	--	--	--	26,182
Sartell	--	115,505	--	--	115,505
Sauk Rapids	3,944	--	--	--	3,944
Savage	--	--	--	--	--
Shakopee	--	--	--	--	--
Shoreview	--	14,945	--	--	14,945
Shorewood	--	--	--	--	--
South St. Paul	--	--	--	--	--
Spring Lake Park	129,350	--	--	--	129,350
Stewartville	--	--	--	--	--
Stillwater	--	19,061	--	--	19,061
Thief River Falls	69,234	1,408	--	--	70,642
Vadnais Heights	--	--	--	--	--
Virginia	--	--	--	--	--
Waite Park	28,764	--	--	--	28,764
Waseca	5,000	--	--	--	5,000
West St. Paul	--	--	--	--	--
White Bear Lake	279,823	--	--	--	279,823
Willmar	152,500	--	(22,500)	--	130,000
Winona	--	--	--	--	--
Woodbury	280,615	89,000	--	--	369,615
Worthington	26,842	--	--	--	26,842
TOTAL	\$48,504,581	\$4,152,897	(\$279,994)	=	\$52,377,484

TRUNK HIGHWAY TURNBACK MAINTENANCE ALLOWANCE

The following tabulation shows the Trunk Highway Turnback Maintenance allowance for the 1998 Apportionment. All turnbacks eligible for maintenance payments are included in this tabulation as of December 31, 1997. The total turnback maintenance apportionment has been computed in accordance with the 1967 Screening Board Resolution. (See Trunk Highway Turnback resolution.) Maintenance allowance was computed for streets that had turnback projects let in 1997.

Msas Route No.	Date of Release	Project Number	Plan Approved	Total Mileage	Miles Const.	Miles Eligible for TB Maint.	Date of MSAS Designation	Maintenance Allowance Eligible Miles X \$7,200	Total Turnback Maintenance Allocation
Brooklyn Park									
139 (TH 252)	7-15-94		No	2.94	0.00	2.94	12-94	\$21,168	\$21,168
Cambridge									
113 (TH 65)	11-1-94		No	2.15	0.00	2.15	12-94	15,480	15,480
Chisholm									
248 (TH 169)	12-30-94	111-248-01	Yes	0.72	0.45	0.27	12-94	1,944	1,944
Cloguet									
146 (TH 45)	11-15-94	112-146-02	Yes	1.06	1.06	0.00	11-94	0	
			No	0.66	0.00	0.66	11-94	4,752	
								4,752	4,752
Duluth									
(TH 23)	12-15-95		No	14.61	0.00	14.61	2-1-96	105,192	
(TH 61)	12-15-95		No	1.79	0.00	1.79	2-1-96	12,888	
(TH 194)	12-15-95	Constructed	No	0.95	0.95	0.00	2-1-96	0	
				17.35	0.95	16.40		118,080	118,080
Fergus Falls									
104 (TH 59)	11-1-94	126-104-02	Yes	0.79	0.79	0.00	11-94	0	
			No	1.76	0.00	1.76		12,672	
109 (TH 210)	11-1-94	126-109-08	Yes	0.00	0.00	0.00	11-94	0	
		Signal	No	2.11	0.00	2.11		15,192	
132 (TH 59)	11-1-94		No	1.40	0.00	1.40	11-94	10,080	
				6.06	0.79	5.27		37,944	37,944
Hibbing									
175 & 226 (TH 73)	6-91	131-175-02 131-226-02	No	2.72	2.44	0.28	7-91	2,016	2,016
Lino Lakes									
113 (TH 49)	11-1-96		No	0.28	0.00	0.28	01-97	2,016	2,016
St. Cloud									
115,131,145 (TH15)	10-90	162-115-08	Yes	0.13		0.13	12-90	936	
		162-131-04	Yes	0.23		0.23	12-90	1,656	
		162-145-01	Yes	1.80	1.11	0.69	12-90	4,968	
		162-145-02	Yes	0.17		0.17	12-90	1,224	
				2.33	1.11	1.22		8,784	8,784
Virginia									
225 (TH 135)	6-1-96		No	2.35	0.00	2.35	08-96	16,920	16,920
Willmar									
153 (TH 71)	6-91		No	4.47	3.86	0.61	08-96	4,392	4,392
TOTAL				43.09	10.66	32.43			\$233,496

October 29, 1997

James N. Denn, Commissioner
Minnesota Department of Transportation
Mail Stop 100
State Transportation Building
St. Paul, Minnesota 55155

Dear Commissioner Denn:

We, the undersigned, as members of the 1997 Municipal Screening Board, having reviewed all information available in relation to the 25 year money needs of the Municipal State Aid Street System, do hereby submit our findings as required by Minnesota Statutes.

We recommend that these findings be modified as required by Screening Board Resolutions, and that any new municipalities that become eligible for State Aid by special census, incorporation, annexation or population estimates have their mileage and resulting money needs established and included in our findings.

This Board, therefore, recommends that the money needs, as listed on the attached, be modified as required and used as the basis for apportioning to the urban municipalities the 1998 Apportionment Sum as provided by Minnesota Statutes, Chapter 162.13, Subdivision 1.

Respectfully submitted,

Brian Bachmeier
Chairman

John Rodeberg
Vice Chairman

Ken Ashfeld
Secretary

Approved by:

Dave Halter
District 1

Dave Kildahl
District 2

Terry Wotzka
District 3

Gary Nansen
District 4

Jack Bittle
Metro-West

William Malin
District 6

Larry Read
District 7

Daniel Sarff
District 8

Dave Jessup
Metro-East

Dean Beeman
Duluth

Ramankutty Kannankutty
Minneapolis

Ed Warn
Saint. Paul

Attachment: Money Needs Listing

1997 ADJUSTED CONSTRUCTION NEEDS RECOMMENDATIONS

Municipality	Adjusted Construction Needs	Municipality	Adjusted Construction Needs
Albert Lea	\$9,976,755	Fergus Falls	\$10,512,900
Alexandria	7,437,186	Forest Lake	3,727,310
Andover	15,122,201	Fridley	7,032,780
Anoka	5,337,982	Glencoe	4,955,899
Apple Valley	16,576,246	Golden Valley	13,381,551
Arden Hills	3,933,236	Grand Rapids	6,519,860
Austin	17,442,117	Ham Lake	8,089,407
Bemidji	7,749,685	Hastings	5,830,106
Blaine	16,123,469	Hermantown	4,357,293
Bloomington	59,844,970	Hibbing	23,594,850
Brainerd	5,744,865	Hopkins	7,200,743
Brooklyn Center	15,111,248	Hugo	7,284,220
Brooklyn Park	18,330,260	Hutchinson	7,918,184
Buffalo	5,967,373	International Falls	4,275,081
Burnsville	23,674,726	Inver Grove Heights	14,026,833
Cambridge	4,807,860	Lake Elmo	2,513,702
Champlin	6,089,841	Lakeville	27,616,785
Chanhassen	10,288,276	Lino Lakes	11,474,031
Chaska	8,305,452	Litchfield	5,137,055
Chisholm	3,954,964	Little Canada	5,924,467
Cloquet	11,306,210	Little Falls	8,617,381
Columbia Heights	6,699,318	Mahtomedi	2,708,523
Coon Rapids	14,811,266	Mankato	22,613,208
Corcoran	5,451,155	Maple Grove	29,286,219
Cottage Grove	16,667,806	Maplewood	12,032,488
Crookston	12,392,310	Marshall	7,843,430
Crystal	15,028,953	Mendota Heights	5,480,362
Dayton	6,216,113	Minneapolis	200,504,789
Detroit Lakes	3,502,897	Minnetonka	24,203,083
Duluth	65,995,808	Montevideo	3,372,603
Eagan	21,110,588	Monticello	2,940,899
East Bethel	7,611,667	Moorhead	21,203,598
East Grand Forks	4,847,125	Morris	2,350,832
Eden Prairie	21,797,938	Mound	4,301,883
Edina	19,363,597	Mounds View	4,443,479
Elk River	14,776,942	New Brighton	6,755,795
Fairmont	16,959,969	New Hope	8,955,614
Falcon Heights	476,892	New Ulm	8,638,586
Faribault	13,925,840	North Branch	10,028,595
Farmington	8,268,869	North Mankato	7,970,189

Municipality	Adjusted Construction Needs	Municipality	Adjusted Construction Needs
North St. Paul	\$5,131,507	Sauk Rapids	\$5,039,199
Northfield	7,365,416	Savage	12,357,269
Oak Grove	7,271,000	Shakopee	9,425,829
Oakdale	8,863,053	Shoreview	5,819,092
Orono	8,420,582	Shorewood	4,039,657
Otsego	7,859,760	South St. Paul	6,303,858
Owatonna	10,982,957	Spring Lake Park	1,641,615
Plymouth	23,620,127	Stewartville	944,369
Prior Lake	8,307,413	Stillwater	5,564,870
Ramsey	12,961,660	Thief River Falls	13,322,141
Red Wing	15,761,888	Vadnais Heights	1,830,048
Redwood Falls	4,774,601	Virginia	6,760,531
Richfield	15,468,394	Waite Park	4,064,250
Robbinsdale	4,386,393	Waseca	3,017,844
Rochester	41,185,474	West St. Paul	5,315,109
Rosemount	12,661,707	White Bear Lake	10,429,081
Roseville	16,581,845	Willmar	10,765,980
St. Anthony	3,419,798	Winona	11,177,643
St. Cloud	32,737,437	Woodbury	31,330,354
St. Louis Park	17,745,104	Worthington	4,913,076
St. Michael	7,971,970		
St. Paul	135,596,156		
St. Paul Park	1,293,839		
St. Peter	7,005,547		
Sartell	3,708,035		
		STATE TOTAL	\$1,699,798,067

THEORETICAL 1998 M.S.A.S. TOTAL APPORTIONMENT

The following tabulation shows each municipality's tentative construction (money) needs and population apportionment amounts for 1998. The tentative apportionment shown in this summary is for informational purposes only. The actual revenue will be announced in January 1998, when the Commissioner of Transportation determines the annual allotments.

Municipalities	Theoretical Population Apportionment	Theoretical Construction Needs Apportionment	Theoretical 1998 Total Apportionment	Distribution Percentage
Albert Lea	\$269,175	\$264,536	\$533,711	0.5890
Alexandria	122,724	197,199	319,923	0.3531
Andover	315,998	400,969	716,967	0.7913
Anoka	260,105	141,538	401,643	0.4433
Apple Valley	611,238	439,523	1,050,761	1.1597
Arden Hills	142,276	104,291	246,567	0.2721
Austin	324,628	462,482	787,110	0.8687
Bemidji	169,194	205,485	374,679	0.4135
Blaine	632,570	427,517	1,060,087	1.1700
Bloomington	1,283,280	1,586,803	2,870,083	3.1676
Brainerd	185,100	152,326	337,426	0.3724
Brooklyn Center	424,668	400,678	825,346	0.9109
Brooklyn Park	901,128	507,199	1,408,327	1.5543
Buffalo	133,985	158,226	292,211	0.3225
Burnsville	837,252	627,741	1,464,993	1.6168
Cambridge	78,739	142,962	221,701	0.2447
Champlin	291,639	161,474	453,113	0.5001
Chanhassen	238,142	272,796	510,938	0.5639
Chaska	211,253	220,221	431,474	0.4762
Chisholm	77,768	106,811	184,579	0.2037
Cloquet	164,122	304,539	468,661	0.5172
Columbia Heights	277,996	177,634	455,630	0.5029
Coon Rapids	892,395	392,724	1,285,119	1.4183
Corcoran	82,546	144,539	227,085	0.2506
Cottage Grove	426,785	441,951	868,736	0.9588
Crookston	119,843	328,585	448,428	0.4949
Crystal	349,708	398,496	748,204	0.8258
Dayton	74,358	164,822	239,180	0.2640
Detroit Lakes	107,670	92,880	200,550	0.2213
Duluth	1,257,098	1,867,974	3,125,072	3.4490
Eagan	849,086	559,752	1,408,838	1.5549
East Bethel	134,838	201,825	336,663	0.3716
East Grand Forks	132,353	128,523	260,876	0.2879
Eden Prairie	703,296	577,977	1,281,273	1.4141
Edina	691,374	513,430	1,204,804	1.3297

Municipalities	Theoretical Population Apportionment	Theoretical Construction Needs Apportionment	Theoretical 1998 Total Apportionment	Distribution Percentage
Elk River	\$206,093	\$391,814	\$597,907	0.6599
Fairmont	166,665	449,697	616,362	0.6803
Falcon Heights	79,150	12,645	91,795	0.1013
Faribault	276,938	369,247	646,185	0.7132
Farmington	128,928	219,251	348,179	0.3843
Fergus Falls	192,274	316,696	508,970	0.5617
Forest Lake	97,629	98,830	196,459	0.2168
Fridley	416,553	186,476	603,029	0.6655
Glencoe	76,386	131,407	207,793	0.2293
Golden Valley	308,295	354,815	663,110	0.7318
Grand Rapids	122,989	172,876	295,865	0.3265
Ham Lake	162,152	214,492	376,644	0.4157
Hastings	248,741	154,587	403,328	0.4451
Hermantown	104,862	115,535	220,397	0.2432
Hibbing	265,294	627,639	892,933	0.9855
Hopkins	244,992	190,929	435,921	0.4811
Hugo	82,693	193,143	275,836	0.3044
Hutchinson	185,042	209,952	394,994	0.4359
International Falls	122,033	113,355	235,388	0.2598
Inver Grove Heights	396,648	371,925	768,573	0.8482
Lake Elmo	91,029	66,651	157,680	0.1740
Lakeville	529,266	732,265	1,261,531	1.3923
Lino Lakes	202,227	306,253	508,480	0.5612
Litchfield	90,235	136,210	226,445	0.2499
Little Canada	139,204	157,089	296,293	0.3270
Little Falls	112,419	228,492	340,911	0.3762
Mahtomedi	100,922	71,817	172,739	0.1906
Mankato	470,432	599,594	1,070,026	1.1809
Maple Grove	661,486	776,531	1,438,017	1.5871
Maplewood	499,952	319,044	818,996	0.9039
Marshall	181,528	207,970	389,498	0.4299
Mendota Heights	159,594	145,313	304,907	0.3365
Minneapolis	5,415,601	5,316,431	10,732,032	11.8445
Minnetonka	758,675	641,750	1,400,425	1.5456
Montevideo	81,208	89,425	170,633	0.1883
Monticello	93,116	77,979	171,095	0.1888
Moorhead	496,894	562,218	1,059,112	1.1689
Morris	83,252	62,333	145,585	0.1607
Mound	142,526	114,065	256,591	0.2832
Mounds View	188,011	117,820	305,831	0.3375
New Brighton	332,008	179,131	511,139	0.5641
New Hope	321,261	237,460	558,721	0.6166
New Ulm	204,065	229,054	433,119	0.4780
North Branch	84,178	265,911	350,089	0.3864
North Mankato	169,958	211,331	381,289	0.4208

Municipalities	Theoretical Population Apportionment	Theoretical Construction Needs Apportionment	Theoretical 1998 Total Apportionment	Distribution Percentage
North St. Paul	\$187,644	\$136,063	\$323,707	0.3573
Northfield	233,143	195,296	428,439	0.4728
Oak Grove	91,940	192,792	284,732	0.3142
Oakdale	365,496	235,006	600,502	0.6627
Orono	111,390	223,274	334,664	0.3694
Otsego	93,954	208,403	302,357	0.3337
Owatonna	302,503	291,216	593,719	0.6553
Plymouth	887,118	626,293	1,513,411	1.6703
Prior Lake	198,743	220,273	419,016	0.4624
Ramsey	241,552	343,681	585,233	0.6459
Red Wing	231,835	417,930	649,765	0.7171
Redwood Falls	75,916	126,600	202,516	0.2235
Richfield	524,973	410,148	935,121	1.0321
Robbinsdale	211,636	116,306	327,942	0.3619
Rochester	1,135,050	1,092,042	2,227,092	2.4579
Rosemount	180,411	335,728	516,139	0.5696
Roseville	500,040	439,671	939,711	1.0371
St. Anthony	123,488	90,677	214,165	0.2364
St. Cloud	862,155	876,825	1,738,980	1.9192
St. Louis Park	646,359	470,516	1,116,875	1.2326
St. Michael	101,069	211,379	312,448	0.3448
St. Paul	4,002,129	3,595,363	7,597,492	8.3850
St. Paul Park	73,858	34,306	108,164	0.1194
St. Peter	143,908	185,754	329,662	0.3638
Sartell	110,787	98,319	209,106	0.2308
Sauk Rapids	136,984	133,616	270,600	0.2986
Savage	222,750	327,656	550,406	0.6075
Shakopee	210,107	249,928	460,035	0.5077
Shoreview	383,961	154,295	538,256	0.5940
Shorewood	101,275	107,112	208,387	0.2300
South St. Paul	297,122	167,148	464,270	0.5124
Spring Lake Park	99,114	43,528	142,642	0.1574
Stewartville	73,975	25,040	99,015	0.1093
Stillwater	233,834	147,554	381,388	0.4209
Thief River Falls	121,798	353,240	475,038	0.5243
Vadnais Heights	189,569	48,524	238,093	0.2628
Virginia	138,645	196,177	334,822	0.3695
Waite Park	87,765	107,765	195,530	0.2158
Waseca	123,988	80,019	204,007	0.2252
West St. Paul	285,935	140,931	426,866	0.4711
White Bear Lake	382,476	276,529	659,005	0.7273
Willmar	274,233	289,854	564,087	0.6226
Winona	391,223	296,378	687,601	0.7589
Woodbury	491,396	830,732	1,322,128	1.4592
Worthington	153,052	130,270	283,322	0.3127
TOTAL	\$45,304,033	\$45,304,033	\$90,608,066	100.0000

COMPARISON OF THE 1997 TO ESTIMATED 1998 APPORTIONMENT

Municipality	1997 Total Apportionment	Estimated 1998 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Albert Lea	\$525,131	\$533,711	\$8,580	1.6339
Alexandria	338,377	319,923	(18,454)	-5.4537
Andover	720,046	716,967	(3,079)	-0.4276
Anoka	409,423	401,643	(7,780)	-1.9002
Apple Valley	1,041,446	1,050,761	9,315	0.8944
Arden Hills	224,648	246,567	21,919	9.7570
Austin	746,387	787,110	40,723	5.4560
Bemidji	387,261	374,679	(12,582)	-3.2490
Blaine	1,106,019	1,060,087	(45,932)	-4.1529
Bloomington	3,008,931	2,870,083	(138,848)	-4.6145
Brainerd	331,660	337,426	5,766	1.7385
Brooklyn Center	911,272	825,346	(85,926)	-9.4292
Brooklyn Park	1,432,340	1,408,327	(24,013)	-1.6765
Buffalo	290,597	292,211	1,614	0.5554
Burnsville	1,442,983	1,464,993	22,010	1.5253
Cambridge	189,856	221,701	31,845	16.7732
Champlin	410,068	453,113	43,045	10.4970
Chanhassen	574,715	510,938	(63,777)	-11.0972
Chaska	479,182	431,474	(47,708)	-9.9561
Chisholm	171,603	184,579	12,976	7.5616
Cloquet	492,215	468,661	(23,554)	-4.7853
Columbia Heights	457,303	455,630	(1,673)	-0.3658
Coon Rapids	1,339,030	1,285,119	(53,911)	-4.0261
Corcoran	214,372	227,085	12,713	5.9303
Cottage Grove	856,868	868,736	11,868	1.3850
Crookston	445,300	448,428	3,128	0.7024
Crystal	754,893	748,204	(6,689)	-0.8861
Dayton	0	239,180	239,180	0.0000
Detroit Lakes	204,859	200,550	(4,309)	-2.1034
Duluth	3,125,897	3,125,072	(825)	-0.0264
Eagan	1,390,844	1,408,838	17,994	1.2937
East Bethel	332,885	336,663	3,778	1.1349
East Grand Forks	261,255	260,876	(379)	-0.1451
Eden Prairie	1,322,183	1,281,273	(40,910)	-3.0941
Edina	1,242,357	1,204,804	(37,553)	-3.0227
Elk River	546,917	597,907	50,990	9.3232
Fairmont	629,554	616,362	(13,192)	-2.0955
Falcon Heights	87,185	91,795	4,610	5.2876
Faribault	671,136	646,185	(24,951)	-3.7177
Farmington	343,492	348,179	4,687	1.3645

Municipality	1997 Total Apportionment	Estimated 1998 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Fergus Falls	\$532,342	\$508,970	(\$23,372)	-4.3904
Forest Lake	203,716	196,459	(7,257)	-3.5623
Fridley	635,869	603,029	(32,840)	-5.1646
Glencoe	213,557	207,793	(5,764)	-2.6990
Golden Valley	675,822	663,110	(12,712)	-1.8810
Grand Rapids	286,318	295,865	9,547	3.3344
Ham Lake	374,247	376,644	2,397	0.6405
Hastings	401,084	403,328	2,244	0.5595
Hermantown	224,266	220,397	(3,869)	-1.7252
Hibbing	851,526	892,933	41,407	4.8627
Hopkins	423,396	435,921	12,525	2.9582
Hugo	283,358	275,836	(7,522)	-2.6546
Hutchinson	423,954	394,994	(28,960)	-6.8309
International Falls	236,756	235,388	(1,368)	-0.5778
Inver Grove Heights	782,579	768,573	(14,006)	-1.7897
Lake Elmo	159,906	157,680	(2,226)	-1.3921
Lakeville	1,274,173	1,261,531	(12,642)	-0.9922
Lino Lakes	434,537	508,480	73,943	17.0165
Litchfield	220,285	226,445	6,160	2.7964
Little Canada	263,551	296,293	32,742	12.4234
Little Falls	305,222	340,911	35,689	11.6928
Mahtomedi	145,908	172,739	26,831	18.3890
Mankato	1,103,655	1,070,026	(33,629)	-3.0471
Maple Grove	1,309,859	1,438,017	128,158	9.7841
Maplewood	801,011	818,996	17,985	2.2453
Marshall	331,306	389,498	58,192	17.5644
Mendota Heights	312,987	304,907	(8,080)	-2.5816
Minneapolis	10,910,118	10,732,032	(178,086)	-1.6323
Minnetonka	1,417,511	1,400,425	(17,086)	-1.2054
Montevideo	175,771	170,633	(5,138)	-2.9231
Monticello	172,264	171,095	(1,169)	-0.6786
Moorhead	1,024,179	1,059,112	34,933	3.4108
Morris	147,677	145,585	(2,092)	-1.4166
Mound	230,714	256,591	25,877	11.2161
Mounds View	321,259	305,831	(15,428)	-4.8024
New Brighton	526,251	511,139	(15,112)	-2.8716
New Hope	583,673	558,721	(24,952)	-4.2750
New Ulm	395,633	433,119	37,486	9.4749
North Branch	280,174	350,089	69,915	24.9541
North Mankato	343,578	381,289	37,711	10.9760
North St. Paul	356,607	323,707	(32,900)	-9.2258
Northfield	402,230	428,439	26,209	6.5159
Oak Grove	243,833	284,732	40,899	16.7734
Oakdale	610,557	600,502	(10,055)	-1.6469
Orono	339,703	334,664	(5,039)	-1.4834

Municipality	1997 Total Apportionment	Estimated 1998 Total Apportionment	Increase (Decrease) Amount	% Increase Decrease
Otsego	\$295,028	\$302,357	\$7,329	2.4842
Owatonna	618,960	593,719	(25,241)	-4.0780
Plymouth	1,559,689	1,513,411	(46,278)	-2.9671
Prior Lake	437,872	419,016	(18,856)	-4.3063
Ramsey	530,421	585,233	54,812	10.3337
Red Wing	671,021	649,765	(21,256)	-3.1677
Redwood Falls	201,139	202,516	1,377	0.6846
Richfield	959,076	935,121	(23,955)	-2.4977
Robbinsdale	350,696	327,942	(22,754)	-6.4882
Rochester	2,203,557	2,227,092	23,535	1.0680
Rosemount	516,521	516,139	(382)	-0.0740
Roseville	947,434	939,711	(7,723)	-0.8151
St. Anthony	204,542	214,165	9,623	4.7047
St. Cloud	1,723,405	1,738,980	15,575	0.9037
St. Louis Park	1,068,172	1,116,875	48,703	4.5595
St. Michael	299,256	312,448	13,192	4.4083
St. Paul	7,964,360	7,597,492	(366,868)	-4.6064
St. Paul Park	0	108,164	108,164	0.0000
St. Peter	311,781	329,662	17,881	5.7351
Sartell	227,605	209,106	(18,499)	-8.1277
Sauk Rapids	254,181	270,600	16,419	6.4596
Savage	536,890	550,406	13,516	2.5175
Shakopee	477,891	460,035	(17,856)	-3.7364
Shoreview	499,235	538,256	39,021	7.8162
Shorewood	229,016	208,387	(20,629)	-9.0077
South St. Paul	458,491	464,270	5,779	1.2604
Spring Lake Park	139,689	142,642	2,953	2.1140
Stewartville	0	99,015	99,015	0.0000
Stillwater	389,563	381,388	(8,175)	-2.0985
Thief River Falls	408,879	475,038	66,159	16.1806
Vadnais Heights	232,939	238,093	5,154	
Virginia	316,703	334,822	18,119	5.7211
Waite Park	202,147	195,530	(6,617)	-3.2734
Waseca	209,157	204,007	(5,150)	-2.4623
West St. Paul	437,487	426,866	(10,621)	-2.4277
White Bear Lake	680,865	659,005	(21,860)	-3.2106
Willmar	584,957	564,087	(20,870)	-3.5678
Winona	708,176	687,601	(20,575)	-2.9054
Woodbury	1,312,672	1,322,128	9,456	0.7204
Worthington	285,181	283,322	(1,859)	-0.6519
TOTAL	\$90,608,066	\$90,608,066	\$0	0.0000

TENTATIVE 1998 APPORTIONMENT RANKINGS

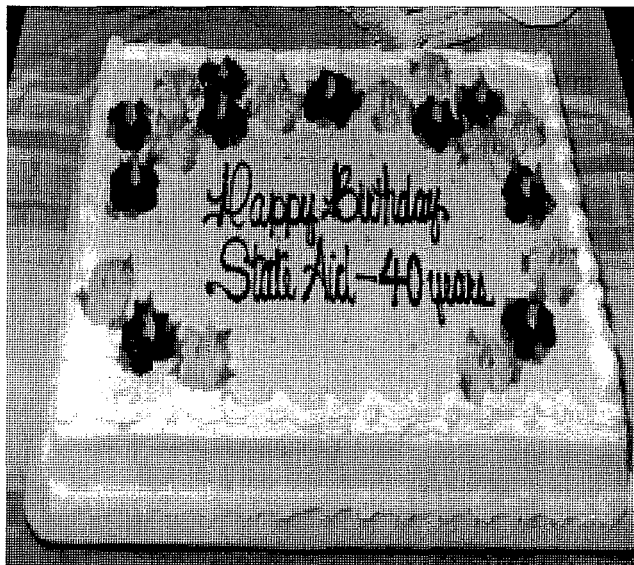
Rankings are from highest apportionment per Needs mile to lowest. Bridges in some cities increases the costs. St. Paul Park and Stewartville are not included because they do not have an approved MSAS roadway system.

1998			1998			1998		
1997	Tentative		1997	Tentative		1997	Tentative	
Total	Population		Total	Money Needs		Total	Total	
Needs	Appportionment		Needs	Appportionment		Needs	Appportionment	
Mileage	Per Need Mile		Mileage	Per Need Mile		Mileage	Per Need Mile	
Municipality			Municipality			Municipality		
Falcon Heights	2.54	\$31,161	Crookston	11.46	\$28,672	Minneapolis	201.07	\$53,375
Vadnais Heights	6.86	27,634	Minneapolis	201.07	26,441	St. Paul	159.02	47,777
Minneapolis	201.07	26,934	Thief River Falls	13.99	25,249	Hopkins	9.41	46,325
Hopkins	9.41	26,035	Fairmont	19.38	23,204	New Hope	12.70	43,994
New Hope	12.70	25,296	St. Paul	159.02	22,610	Crystal	17.88	41,846
St. Paul	159.02	25,167	Crystal	17.88	22,287	Crookston	11.46	39,130
Shoreview	15.51	24,756	Woodbury	38.18	21,758	St. Louis Park	28.92	38,619
Coon Rapids	37.67	23,690	Bloomington	75.34	21,062	Bloomington	75.34	38,095
New Brighton	14.57	22,787	Farmington	10.65	20,587	Brooklyn Center	21.67	38,087
St. Louis Park	28.92	22,350	Hopkins	9.41	20,290	St. Anthony	5.63	38,040
Maplewood	22.44	22,280	Cambridge	7.12	20,079	Rochester	60.05	37,087
Columbia Heights	12.53	22,186	Savage	16.36	20,028	Little Canada	8.09	36,625
St. Anthony	5.63	21,934	Little Canada	8.09	19,418	Maplewood	22.44	36,497
Oakdale	16.72	21,860	Glencoe	6.94	18,935	Columbia Heights	12.53	36,363
West St. Paul	13.10	21,827	Mankato	31.67	18,933	Falcon Heights	2.54	36,140
Anoka	11.98	21,712	Maple Grove	41.35	18,779	Oakdale	16.72	35,915
Arden Hills	6.93	20,530	New Hope	12.70	18,698	Richfield	26.21	35,678
Robbinsdale	10.33	20,488	Moorhead	30.09	18,685	Arden Hills	6.93	35,580
Richfield	26.21	20,029	Red Wing	22.59	18,501	Forest Lake	5.53	35,526
Waseca	6.31	19,649	Brooklyn Center	21.67	18,490	Northfield	12.06	35,526
Brooklyn Center	21.67	19,597	Rochester	60.05	18,186	Moorhead	30.09	35,198
Crystal	17.88	19,559	Forest Lake	5.53	17,872	New Brighton	14.57	35,082
Northfield	12.06	19,332	Orono	12.58	17,748	Maple Grove	41.35	34,777
Brooklyn Park	46.70	19,296	Duluth	105.89	17,641	Vadnais Heights	6.86	34,707
Apple Valley	31.74	19,258	St. Peter	10.59	17,541	Shoreview	15.51	34,704
Blaine	32.86	19,250	Dayton	9.43	17,478	Woodbury	38.18	34,629
Burnsville	43.69	19,163	Buffalo	9.10	17,387	Coon Rapids	37.67	34,115
Mounds View	9.82	19,146	Faribault	21.40	17,255	Thief River Falls	13.99	33,956
White Bear Lake	20.03	19,095	Lakeville	42.58	17,197	Owatonna	17.56	33,811
Rochester	60.05	18,902	Austin	26.96	17,154	Mankato	31.67	33,787
Spring Lake Park	5.25	18,879	North Mankato	12.42	17,015	Savage	16.36	33,643
Eagan	46.36	18,315	Litchfield	8.06	16,900	Burnsville	43.69	33,532
Stillwater	12.80	18,268	St. Cloud	52.22	16,791	Anoka	11.98	33,526
South St. Paul	16.32	18,206	Waite Park	6.45	16,708	St. Cloud	52.22	33,301
Plymouth	48.91	18,138	Owatonna	17.56	16,584	Apple Valley	31.74	33,105
Winona	21.75	17,987	Lino Lakes	18.67	16,403	White Bear Lake	20.03	32,901
Mound	8.05	17,705	St. Louis Park	28.92	16,270	Roseville	28.70	32,743
Forest Lake	5.53	17,654	Chaska	13.58	16,217	Farmington	10.65	32,693

Municipality	1998		Municipality	1998		Municipality	1998	
	1997 Total Needs Mileage	Tentative Population Apportionment Per Need Mile		1997 Total Needs Mileage	Tentative Money Needs Apportionment Per Need Mile		1997 Total Needs Mileage	Tentative Total Apportionment Per Need Mile
North St. Paul	10.68	\$17,570	Northfield	12.06	\$16,194	West St. Paul	13.10	\$32,585
Edina	39.36	17,565	New Ulm	14.16	16,176	Waseca	6.31	32,331
Roseville	28.70	17,423	St. Anthony	5.63	16,106	Blaine	32.86	32,261
Owatonna	17.56	17,227	Redwood Falls	7.87	16,086	Buffalo	9.10	32,111
Little Canada	8.09	17,207	Virginia	12.33	15,911	Mound	8.05	31,875
Champlin	17.01	17,145	Richfield	26.21	15,649	Fairmont	19.38	31,804
Bloomington	75.34	17,033	Cloquet	19.78	15,396	Chaska	13.58	31,773
Moorhead	30.09	16,514	Roseville	28.70	15,320	Robbinsdale	10.33	31,747
St. Cloud	52.22	16,510	Otsego	13.61	15,312	Winona	21.75	31,614
Fridley	25.24	16,504	Elk River	25.78	15,198	Inver Grove Heights	24.66	31,167
Eden Prairie	42.66	16,486	Grand Rapids	11.40	15,165	Mounds View	9.82	31,144
Inver Grove Heights	24.66	16,085	Inver Grove Heights	24.66	15,082	Cambridge	7.12	31,138
Maple Grove	41.35	15,997	Cottage Grove	29.32	15,073	St. Peter	10.59	31,130
Worthington	9.81	15,602	Golden Valley	23.55	15,066	Plymouth	48.91	30,943
Chaska	13.58	15,556	Arden Hills	6.93	15,049	North Mankato	12.42	30,700
Monticello	5.99	15,545	Rosemount	22.32	15,042	Edina	39.36	30,610
Sartell	7.16	15,473	Little Falls	15.67	14,581	New Ulm	14.16	30,588
Mahtomedi	6.58	15,338	Prior Lake	15.16	14,530	Eagan	46.36	30,389
Minnetonka	49.93	15,195	Fergus Falls	21.86	14,487	Waite Park	6.45	30,315
International Falls	8.06	15,141	Burnsville	43.69	14,368	North St. Paul	10.68	30,310
Hastings	16.62	14,966	St. Michael	14.77	14,311	Faribault	21.40	30,196
Mankato	31.67	14,854	Bemidji	14.40	14,270	Brooklyn Park	46.70	30,157
Buffalo	9.10	14,724	Hutchinson	14.73	14,253	Eden Prairie	42.66	30,035
Cottage Grove	29.32	14,556	Maplewood	22.44	14,218	Glencoe	6.94	29,941
Albert Lea	18.65	14,433	Albert Lea	18.65	14,184	Stillwater	12.80	29,796
New Ulm	14.16	14,411	Columbia Heights	12.53	14,177	Cottage Grove	29.32	29,629
North Mankato	12.42	13,684	Mound	8.05	14,170	Lakeville	42.58	29,627
Savage	16.36	13,616	International Falls	8.06	14,064	Duluth	105.89	29,512
Waite Park	6.45	13,607	Oakdale	16.72	14,055	Sartell	7.16	29,205
St. Peter	10.59	13,589	Marshall	14.88	13,976	International Falls	8.06	29,204
Sauk Rapids	10.17	13,469	Alexandria	14.12	13,966	Austin	26.96	29,195
Prior Lake	15.16	13,110	Apple Valley	31.74	13,848	Worthington	9.81	28,881
Golden Valley	23.55	13,091	White Bear Lake	20.03	13,806	Red Wing	22.59	28,763
Brainerd	14.25	12,989	Sartell	7.16	13,732	Albert Lea	18.65	28,617
Faribault	21.40	12,941	Winona	21.75	13,627	Monticello	5.99	28,563
Woodbury	38.18	12,871	Eden Prairie	42.66	13,548	South St. Paul	16.32	28,448
Hutchinson	14.73	12,562	Chisholm	7.99	13,368	Golden Valley	23.55	28,158
Morris	6.66	12,500	Worthington	9.81	13,279	Litchfield	8.06	28,095
Lakeville	42.58	12,430	Hugo	14.69	13,148	Minnetonka	49.93	28,048
Shorewood	8.24	12,291	Sauk Rapids	10.17	13,138	Prior Lake	15.16	27,640
Marshall	14.88	12,199	Edina	39.36	13,044	Lino Lakes	18.67	27,235
Farmington	10.65	12,106	Monticello	5.99	13,018	Spring Lake Park	5.25	27,170

Municipality	1997	1998	Municipality	1997	1998	Municipality	1997	1998
	Total Needs Mileage	Tentative Population Apportionment Per Need Mile		Total Needs Mileage	Money Needs Apportionment Per Need Mile		Total Needs Mileage	Tentative Total Apportionment Per Need Mile
Austin	26.96	\$12,041	Blaine	32.86	\$13,010	Virginia	12.33	\$27,155
Duluth	105.89	11,872	Shorewood	8.24	12,999	Hutchinson	14.73	26,816
Mendota Heights	13.51	11,813	Shakopee	19.38	12,896	Champlin	17.01	26,638
Bemidji	14.40	11,750	Minnetonka	49.93	12,853	Sauk Rapids	10.17	26,608
Willmar	23.90	11,474	Plymouth	48.91	12,805	Orono	12.58	26,603
Detroit Lakes	9.54	11,286	North St. Paul	10.68	12,740	Mahtomedi	6.58	26,252
Virginia	12.33	11,245	Waseca	6.31	12,681	Marshall	14.88	26,176
East Grand Forks	11.82	11,197	Chanhassen	21.57	12,647	Bemidji	14.40	26,019
Litchfield	8.06	11,195	Hibbing	50.74	12,370	Grand Rapids	11.40	25,953
Cambridge	7.12	11,059	New Brighton	14.57	12,295	Redwood Falls	7.87	25,733
Chanhassen	21.57	11,040	North Branch	21.73	12,237	Dayton	9.43	25,364
Glencoe	6.94	11,007	Willmar	23.90	12,128	Shorewood	8.24	25,290
Shakopee	19.38	10,841	Eagan	46.36	12,074	Hastings	16.62	24,268
Lino Lakes	18.67	10,832	Mounds View	9.82	11,998	Fridley	25.24	23,892
Grand Rapids	11.40	10,789	Anoka	11.98	11,815	Shakopee	19.38	23,738
Crookston	11.46	10,458	Ramsey	29.18	11,778	Cloquet	19.78	23,694
Red Wing	22.59	10,263	Andover	34.06	11,772	Chanhassen	21.57	23,687
Montevideo	8.08	10,050	Stillwater	12.80	11,528	Brainerd	14.25	23,679
Chisholm	7.99	9,733	Robbinsdale	10.33	11,259	Willmar	23.90	23,602
Redwood Falls	7.87	9,646	Montevideo	8.08	11,067	Fergus Falls	21.86	23,283
Lake Elmo	9.53	9,552	Mahtomedi	6.58	10,914	Elk River	25.78	23,193
Andover	34.06	9,278	East Grand Forks	11.82	10,873	Rosemount	22.32	23,125
Orono	12.58	8,855	Brooklyn Park	46.70	10,861	Chisholm	7.99	23,101
Fergus Falls	21.86	8,796	West St. Paul	13.10	10,758	Alexandria	14.12	22,657
Thief River Falls	13.99	8,706	Mendota Heights	13.51	10,756	Mendota Heights	13.51	22,569
Alexandria	14.12	8,692	Brainerd	14.25	10,690	Otsego	13.61	22,216
Fairmont	19.38	8,600	Coon Rapids	37.67	10,425	East Grand Forks	11.82	22,071
Cloquet	19.78	8,297	South St. Paul	16.32	10,242	Morris	6.66	21,860
Ramsey	29.18	8,278	Corcoran	14.18	10,193	Little Falls	15.67	21,756
Rosemount	22.32	8,083	Shoreview	15.51	9,948	St. Michael	14.77	21,154
Hermantown	12.99	8,073	Oak Grove	19.50	9,887	Montevideo	8.08	21,118
Elk River	25.78	7,994	Detroit Lakes	9.54	9,736	Andover	34.06	21,050
Dayton	9.43	7,885	Champlin	17.01	9,493	Detroit Lakes	9.54	21,022
Little Falls	15.67	7,174	Morris	6.66	9,359	Ramsey	29.18	20,056
Otsego	13.61	6,903	Hastings	16.62	9,301	Hugo	14.69	18,777
Ham Lake	23.55	6,885	Ham Lake	23.55	9,108	Hibbing	50.74	17,598
St. Michael	14.77	6,843	Hermantown	12.99	8,894	Hermantown	12.99	16,967
Corcoran	14.18	5,821	Spring Lake Park	5.25	8,291	Lake Elmo	9.53	16,546
Hugo	14.69	5,629	East Bethel	25.48	7,921	North Branch	21.73	16,111
East Bethel	25.48	5,292	Fridley	25.24	7,388	Corcoran	14.18	16,014
Hibbing	50.74	5,228	Vadnais Heights	6.86	7,073	Ham Lake	23.55	15,993
Oak Grove	19.50	4,715	Lake Elmo	9.53	6,994	Oak Grove	19.50	14,602
North Branch	21.73	3,874	Falcon Heights	2.54	4,978	East Bethel	25.48	13,213
Average		\$14,743			\$14,586			\$29,293

OTHER



TOPICS

NOTES

NOTES

GUIDELINES FOR ADVANCEMENT OF MUNICIPAL STATE AID CONSTRUCTION
FROM THE GENERAL MSAS CONSTRUCTION ACCOUNT

The following guidelines which have been recommended by the Municipal Screening Board will be used when Cities request an advance of funds from the General MSAS Construction Account. Such advances shall be repaid from the following year's construction apportionment.

- (1) The maximum Municipal State Aid construction dollars which can be advanced in any one year shall be the difference between the Municipal State Aid construction fund balance at the end of the preceding calendar year and \$40 million. Advanced funding will be granted on a first come-first served basis.
- (2) Municipalities with a total annual MSAS allotment of \$500,000 or more can advance up to the previous year's MSAS allotment with a maximum amount of \$3,000,000. Municipalities with a total annual MSAS allotment of less than \$500,000 can advance up to three times the previous years MSAS allotment, or \$500,000, whichever is less. In either case, the maximum advance must be reduced by any schedule bond principal and interest obligations and advance encumbrance repayments. Any advances made must be repaid by deductions made from the next available allocations.
- (3) Advanced State Aid funding must be requested by City Council Resolution. This resolution need not be project specific, but describes the maximum amount of advances the City Council authorizes for financing of approved Municipal State Aid Street projects in that year. This resolution must be submitted with, or prior to, the first project specific request. Once this resolution is received by SALT Division and the City's construction account balance has reached zero, payments will be made to the City for approved Municipal State Aid Street projects up to the amount requested on the resolution, and subject to the other provisions of these guidelines. The resolution does not reserve funds nor establish the "first come-first served" basis. First come-first served is established by payment requests and/or by the process described in (4).
- (4) Prior to entering into a contract where advanced funding will be required, the City Engineer must submit a Request to Reserve Advanced Funding form. SALT will reserve the funds and return the approved form to the City Engineer provided that:
 - a) the amount requested is within the amount authorized by the City Council Resolution,
 - b) the amount requested is consistent with the other provisions of this guideline, and
 - c) the City intends to approve the contract within the next several weeks; or in the case of a construction project, a completed plan has been submitted for State-Aid approval.

Upon receiving the approved Request to Reserve Advanced Funding, the City Engineer knows that funds have been reserved for the project.

GENERAL FUND ADVANCE

1996 year end construction balance available	\$56,578,107
Less amount required in account	(40,000,000)
Maximum amount for advance	16,578,107
Amount advanced to date in 1997	7,389,951
Balance available to advance	9,188,156

Municipality	Year	Resolution Amount	Advance Amount	Repaid Amount	Balance
Alexandria	1996	\$345,000	\$345,000	\$253,782	\$91,218
Arden Hills	1996	332,485	332,485	168,486	163,999
Buffalo	1996	500,000	500,000	278,297	221,703
Cloquet	1996	315,000	315,000	226,797	88,203
Corcoran	1996	495,717	495,717	139,342	356,375
Eagan	1996	1,312,053	1,067,000	990,395	76,605
Eagan	1997	1,012,790	0	0	0
Elk River	1996	500,000	455,482	332,639	122,843
Golden Valley	1996	884,000	693,664	506,866	186,798
Hastings	1997	500,000	500,000	0	500,000
Lakeville	1996	1,319,952	1,495,714	1,216,633	279,081
Little Falls	1997	500,000	500,000	0	500,000
Mahtomedi	1995	382,380	373,134	279,411	93,723
Minnetonka	1997	1,400,000	1,400,000	0	1,400,000
Mound	1997	500,000	0	0	0
St. Cloud	1997	1,000,000	1,000,000	0	1,000,000
St. Louis Park	1997	675,000	675,000	0	675,000
Sartell	1997	300,000	0	0	0
Spring Lake Park	1996	200,109	126,147	20,484	105,663
Vadnais Heights	1997	227,000	116,068	0	116,068
White Bear Lake	1997	450,000	450,000	0	450,000
Woodbury	1997	1,300,000.00	962,672	0	962,672
Total		\$14,451,486	\$11,803,083	\$4,413,132	\$7,389,951

NEW
REVISIONS APPROVED BY JUNE, 1997 MUNICIPAL SCREENING BOARD

Municipal State Aid Street Needs Study
URBAN DESIGN QUANTITY TABLE
(Quantities Based On A One Mile Section)

DESIGN DATA	SOIL TYPE	GRADING DEPTH (Inches)	GRADING CUBIC (Yards)	CLASS 5 BASE DEPTH (Inches)	CLASS 5 BASE QUANTITY (Tons)	NO. 2331 BIT. BASE (Tons)	NO. 2341 BIT. SURFACE (Tons)	ADDITIONAL SURFACE (Tons)
Proj. ADT 1-1999	50	18.5	13,900	3.0	4,189			
42 Feet - 9 ton	75	22.5	16,966	7.0	9,774			No. 2341
2 Traffic Lanes	100	25.5	19,280	10.0	13,963	2,452	1,839	2,452
2 Parking Lanes	130	30.5	23,164	15.0	20,944	(2")	(1 1/2 ")	(2")
Proj. ADT 2000-4999	50	22.5	17,699	7.0	10,205			
44 Feet - 9 ton	75	25.5	20,111	10.0	14,579			No. 2341
2 Traffic Lanes	100	29.5	23,346	14.0	20,410	2,581	1,936	2,581
2 Parking Lanes	130	33.5	26,602	18.0	26,242	(2")	(1 1/2 ")	(2")
Proj. ADT 5000 & over	50	25.5	21,773	9.0	14,230			
48 Feet - 10 ton	75	29.5	25,269	13.0	20,554			No. 2361
2 Traffic Lanes	100	34.5	29,669	18.0	28,459	2,839	3,549	1420
2 Parking Lanes	130	39.5	34,103	23.0	36,365	(2")	(2 1/2 ")	(1")
Proj. ADT 7000-9999	50	27.0	31,882	10.0	21,971			
68 Feet - 10 ton	75	32.0	37,894	15.0	32,956			No. 2361
4 Traffic Lanes	100	38.0	45,154	21.0	46,138	4,130	6,195	2,065
2 Parking Lanes	130	44.0	52,463	27.0	59,321	(2")	(3")	(1")
Proj. ADT 10000 & over	50	29.0	36,173	12.0	27,843			
72 Feet - 10 ton	75	35.0	43,800	18.0	41,765			No. 2361
4 Traffic Lanes	100	41.0	51,475	24.0	55,686	4,388	6,582	2194
2 Parking Lanes	130	49.0	61,785	31.0	71,928	(2")	(3")	(1")

This table is for needs study reference only and is not to be construed as a guide for rigid or flexible design determination.

Quantities of approved street widths will be prorated. When the quantities from the table do not apply, use an estimated amount.

NEW
REVISIONS APPROVED BY JUNE, 1997 MUNICIPAL SCREENING BOARD
Municipal State Aid Needs Study
RURAL DESIGN QUANTITY TABLE
(Quantities Based for a One Mile Section)

DESIGN DATA	SOIL TYPE	GRADING DEPTH (Inches)	GRADING Cu. Yds	CLASS 5 BASE DEPTH (Inches)	CLASS 5 BASE (Tons)	BIT BASE No. 2331	INITIAL SURFACE	No. 2221 GRAVEL SHOULDERS (Tons)	ADDITIONAL SURFACE	No. 2221 GRAVEL RESHOULDERS (Tons)
Proj. ADT 0-399	50	18.75	11,473	3.25	3,750					
24 Foot surface	75	22.50	14,267	7.00	7,786		No. 2331		No. 2331	
32' Roadbed	100	26.00	17,022	10.50	12,081	2.0"	1.5"	711	1.5"	394
2 Lanes 7 ton ult 9 ton	130	30.50	20,770	15.00	17,995	1613 tons	1162 tons		1162 tons	
Proj. ADT 400 - 749	50	22.50	14,267	7.00	7,786					
24 Foot surface	75	26.00	17,022	10.50	12,081		No. 2331		No. 2331	
32' Roadbed	100	29.50	19,917	14.00	16,643	2.0"	1.5"	711	1.5"	394
2 Lanes 9 ton	130	33.75	23,622	18.25	22,541	1613 tons	1162 tons		1162 tons	
Proj. ADT 750 - 1499	50	24.25	16,953	8.75	10,864					
24 Foot surface	75	29.00	21,097	13.50	17,461		No. 2341		No. 2341	
36' Roadbed	100	33.00	24,789	17.75	23,782	2.0"	1.5"	931	1.5"	579
2 Lanes 9 ton	130	38.50	30,166	23.00	32,135	1613 tons	1162 tons		1162 tons	
Proj. ADT 1500 & over	50	27.00	20,772	10.00	13,980					
24 Foot surface	75	32.25	25,840	15.25	22,194		No. 2341		No. 2341	
40' Roadbed	100	37.50	31,225	20.50	31,010	2.0"	3"	1885	1.5"	370
2 Lanes 10 ton	130	44.00	38,333	27.00	42,760	1613 tons	2323 tons		1162 tons	
Proj. ADT 5000 & over	50	29.00	37,038	12.00	28,551					
48 Foot surface	75	35.00	46,040	18.00	44,006		No. 2341		No. 2341	
72' Roadbed	100	41.00	55,457	24.00	60,248	2.0"	3"	2326	1.5"	554
4 Lanes 10 ton	130	48.50	67,811	31.50	81,655	3162 tons	4646 tons		2323 tons	

This table is for needs study reference only and is not to be construed as a guide for rigid or flexible design determination.

Quantities of approved street widths will be prorated. When the quantities from the table do not apply, use an estimated amount.

PAST HISTORY OF ADMINISTRATIVE ACCOUNT

1 1/2 % of the total funds available are set aside for the administration of State Aid. The account is used for expenses of Screening Board meetings, Variances meetings, printing of State Aid material etc.

Year	Allotment	Balance	Spent
1958	\$113,220	\$48,310	\$64,910
1959	125,999	55,370	70,629
1960	129,466	58,933	70,533
1961	140,825	75,036	65,789
1962	137,980	70,875	67,105
1963	144,585	75,094	69,491
1964	168,526	102,385	66,141
1965	173,875	96,136	77,739
1966	178,253	85,079	93,174
1967	190,524	122,185	68,339
1968	219,458	117,878	101,580
1969	231,452	134,416	97,036
1970	252,736	147,968	104,768
1971	279,357	165,927	113,430
1972	280,143	167,410	112,733
1973	284,923	160,533	124,390
1974	333,944	130,460	203,484
1975	349,512	158,851	190,661
1976	347,940	264,874	83,066
1977	424,767	160,365	264,402
1978	426,786	139,580	287,206
1979	473,075	257,782	215,293
1980	521,544	171,544	350,000
1981	544,123	222,062	322,061
1982	646,373	251,781	394,592
1983	710,025	297,847	412,178
1984	745,773	322,730	423,043
1985	874,173	421,719	452,454
1986	903,824	427,562	476,262
1987	806,340	331,589	474,751
1988	895,092	387,171	507,921
1989	1,111,120	582,918	528,202
1990	1,248,109	218,586	1,029,523
1991	1,216,604	502,044	714,560
1992	1,239,228	493,170	746,058
1993	1,274,377	466,634	807,743
1994	1,231,781	417,972	813,809
1995	1,251,307	153,996	1,097,311
1996	1,394,929	225,105	1,169,824
1997	1,386,626		

The unexpended balance of the administration account at the end of the year is transferred back to the state aid fund from which it was obtained for distribution.

RESEARCH ACCOUNT MOTION

Each year the Screening Board, provided for in section 162.13, Subdivision 3, may recommend to the commissioner a sum of money that the commissioner shall set aside from the municipal state aid street fund and credit to a research account. The amount so recommended shall not exceed 1/2 of 1% of the preceding apportionment. Any balance remaining in the research account at the end of the each year from sum set aside for the year immediately previous, shall be transferred to the MSAS fund.

Be it resolved that an amount of \$453,040 (not to exceed 1/2 of 1% of the 1997 M.S.A.S. Apportionment sum of \$90,608,066) shall be set aside from the 1998 Apportionment fund and be credited to the research account.

MOTION BY:

SECONDED BY:

PAST HISTORY OF RESEARCH ACCOUNT			
	Allotment	Balance	Spent
1958	\$0	\$0	\$0
1959	0	0	0
1960	20,271	10,911	9,360
1961	20,926	18,468	2,458
1962	22,965	21,661	1,304
1963	22,594	18,535	4,059
1964	23,627	24,513	0
1965	27,418	15,763	11,655
1966	28,426	17,782	10,644
1967	29,155	31,944	0
1968	31,057	28,433	2,624
1969	35,719	34,241	1,478
1970	37,803	35,652	2,151
1971	41,225	37,914	3,311
1972	45,227	44,468	759
1973	45,846	36,861	8,985
1974	46,622	19,268	27,354
1975	54,321	35,755	18,566
1976	57,103	33,901	23,202
1977	56,983	33,674	23,309
1978	68,990	70,787	0
1979	69,665	0	69,665
1980	77,116	36,352	40,764
1981	85,031	33,940	51,091
1982	88,920	47,990	40,930
1983	105,082	37,656	67,426
1984	115,766	57,879	57,887
1985	121,838	73,118	48,720
1986	142,188	98,607	43,581
1987	147,745	82,479	65,266
1988	132,754	72,201	60,553
1989	145,953	42,379	103,574
1990	191,254	40,960	150,294
1991	203,793	3,445	200,348
1992	202,774	19,247	183,527
1993	207,386	18,150	189,236
1994	403,939	0	403,939
1995	403,415	0	403,415
1996	408,593	0	408,593
1997	453,703		

ENTRY HISTORY TO THE MSA SYSTEM

In 1982 and 1983, Ely, Luverne, Pipestone, and St. Paul Park received a reduced apportionment

Municipality	Census or Estimate Used	First Year of Apport	Last Year of Apport	Population on Entry	Population Used for 1998 Allocation	Population Difference
*** Albert Lea	1950	1958		13,545	18,310	4,765
*** Alexandria	1950	1958		6,319	8,348	2,029
Andover	1974 *	1975		7,714	21,495	13,781
*** Anoka	1950	1958		7,396	17,693	10,297
Apple Valley	1968 *	1969		5,143	41,578	36,435
Arden Hills	1970	1971		5,628	9,678	4,050
*** Austin	1950	1958		23,100	22,082	(1,018)
*** Bemidji	1950	1958		10,001	11,509	1,508
Blaine	1960	1961		7,570	43,029	35,459
*** Bloomington	1950	1958		12,643	87,292	74,649
*** Brainerd	1950	1958		12,637	12,591	(46)
Brooklyn Center	1960	1961		24,356	28,887	4,531
Brooklyn Park	1960	1961		10,197	61,297	51,100
Buffalo	1988 *	1989		5,996	9,114	3,118
Burnsville	1965 *	1966		10,721	56,952	46,231
Cambridge	1990	1992		5,094	5,356	262
Champlin	1970	1972		5,229	19,838	14,609
Chanhassen	1970	1972		5,054	16,199	11,145
Chaska	1972 *	1973		5,398	14,370	8,972
*** Chisholm	1950	1958		6,861	5,290	(1,571)
*** Cloquet	1950	1958		7,685	11,164	3,479
*** Columbia Heights	1950	1958		8,175	18,910	10,735
Coon Rapids	1960	1961		14,931	60,703	45,772
Corcoran	1990	1992		5,114	5,615	501
Cottage Grove	1965 *	1966		10,949	29,031	18,082
*** Crookston	1950	1958		7,352	8,152	800
*** Crystal	1950	1958		5,713	23,788	18,075
Dayton	1996 ****	1998		5,058	5,058	0
*** Detroit Lakes	1950	1958		5,787	7,324	1,537
*** Duluth	1950	1958		104,511	85,511	(19,000)
Eagan	1972 **	1973		10,398	57,757	47,359
East Bethel	1977 *	1978		5,438	9,172	3,734
*** East Grand Forks	1950	1958		5,049	9,003	3,954
Eden Prairie	1967 *	1968		5,456	47,840	42,384
*** Edina	1950	1958		9,744	47,029	37,285

Municipality	Census or Estimate Used	First Year of Apport	Last Year of Apport	Population on Entry	Population Used for 1998 Allocation	Population Difference
Elk River	1977 *	1978		6,183	14,019	7,836
*** Ely	1950	1958	1970	5,474		0
Ely	1976 *	1975	1985	5,212		0
*** Eveleth	1950	1958	1970	5,872		0
Eveleth	1978 *	1978	1992	5,176		0
*** Fairmont	1950	1958		8,193	11,337	3,144
Falcon Heights	1960	1961		5,927	5,384	(543)
*** Faribault	1950	1958		16,028	18,838	2,810
Farmington	1987 *	1988		5,140	8,770	3,630
*** Fergus Falls	1950	1958		12,917	13,079	162
Forest Lake	1989 *	1990		5,380	6,641	1,261
Fridley	1960	1961		15,173	28,335	13,162
Glencoe	1996 *	1997		5,196	5,196	0
*** Golden Valley	1950	1958		5,551	20,971	15,420
*** Grand Rapids	1950	1958		6,019	8,366	2,347
Ham Lake	1973 *	1974		5,108	11,030	5,922
*** Hastings	1950	1958		6,560	16,920	10,360
Hermantown	1975 *	1976		7,170	7,133	(37)
*** Hibbing	1950	1958		16,276	18,046	1,770
*** Hopkins	1950	1958		7,595	16,665	9,070
Hugo	1994 *	1995		5,223	5,625	402
Hutchinson	1960	1961		6,207	12,587	6,380
*** International Falls	1950	1958		6,269	8,301	2,032
Inver Grove Heights	1965 *	1966		10,383	26,981	16,598
Lake Elmo	1978 *	1979		5,056	6,192	1,136
Lakeville	1970	1971		7,556	36,002	28,446
Lino Lakes	1982 *	1983		5,904	13,756	7,852
Litchfield	1960	1961		5,078	6,138	1,060
Little Canada	1974 *	1975		5,977	9,469	3,492
*** Little Falls	1950	1958		6,717	7,647	930
Luverne	1978 *	1979	1985	5,153		0
Mahtomedi	1990	1992		5,569	6,865	1,296
*** Mankato	1950	1958		18,809	32,000	13,191
Maple Grove	1970	1971		6,275	44,996	38,721
*** Maplewood	1950	1958		14,203	34,008	19,805
*** Marshall	1950	1958		5,923	12,348	6,425
Mendota Heights	1960	1961		5,028	10,856	5,828
*** Minneapolis	1950	1958		521,718	368,383	(153,335)
*** Minnetonka	1950	1958		15,915	51,607	35,692
*** Montevideo	1950	1958		5,459	5,524	65

Municipality	Census or Estimate Used	First Year of Apport	Last Year of Apport	Population on Entry	Population Used for 1998 Allocation	Population Difference
Monticello	1990	1992		5,045	6,334	1,289
*** Moorhead	1950	1958		14,870	33,800	18,930
Morris	1970	1971		5,366	5,663	297
Mound	1960	1961		5,440	9,695	4,255
Mounds View	1950	1959		5,726	12,789	7,063
New Brighton	1960	1961		6,448	22,584	16,136
New Hope	1967 *	1968		11,620	21,853	10,233
*** New Ulm	1950	1958		9,348	13,881	4,533
North Branch	1995 **	1996		5,140	5,726	586
North Mankato	1960	1961		5,927	11,561	5,634
North St. Paul	1960	1961		8,520	12,764	4,244
*** Northfield	1950	1958		7,487	15,859	8,372
Oak Grove	1993 **	1994		5,488	6,254	766
Oakdale	1968 *	1969		7,156	24,862	17,706
Orono	1960	1961		5,643	7,577	1,934
Otsego	1990 **	1991		6,472	6,391	(81)
*** Owatonna	1950	1958		10,191	20,577	10,386
*** Pipestone	1950	1958	1985	5,269		(5,269)
*** Plymouth	1950	1958		5,220	60,344	55,124
Prior Lake	1975 *	1976		5,365	13,519	8,154
Ramsey	1974 *	1975		6,517	16,431	9,914
*** Red Wing	1950	1958		10,645	15,770	5,125
Redwood Falls	1980	1981	1992	5,210		(5,210)
Redwood Falls	1996 **	1997		5,134	5,164	30
*** Richfield	1950	1958		17,502	35,710	18,208
*** Robbinsdale	1950	1958		11,289	14,396	3,107
*** Rochester	1950	1958		29,885	77,209	47,324
Rosemount	1980	1981		5,083	12,272	7,189
*** Roseville	1950	1958		6,437	34,014	27,577
St. Anthony	1960	1961		5,084	8,400	3,316
*** St. Cloud	1950	1958		28,410	58,646	30,236
*** St. Louis Park	1950	1958		22,644	43,967	21,323
St. Michael	1996 **	1997		6,559	6,875	316
*** St. Paul	1950	1958		311,349	272,235	(39,114)
St. Paul Park	1967 *	1968	1985	5,111		
St. Paul Park	1996 ****	1998		5,024	5,024	0
*** St. Peter	1950	1958		7,754	9,789	2,035
Sartell	1990	1992		5,409	7,536	2,127
Sauk Rapids	1970	1971		6,184	9,318	3,134
Savage	1984 *	1985		5,237	15,152	9,915

Municipality	Census or Estimate Used	First Year of Apport	Last Year of Apport	Population on Entry	Population Used for 1998 Allocation	Population Difference
Shakopee	1960	1961		5,201	14,292	9,091
*** Shoreview	1950	1958		5,231	26,118	20,887
Shorewood	1989 *	1990		5,612	6,889	1,277
*** South St. Paul	1950	1958		15,909	20,211	4,302
Spring Lake Park	1967 *	1968		5,148	6,742	1,594
Stewartville	1996 ****	1998		5,032	5,032	0
*** Stillwater	1950	1958		7,674	15,906	8,232
*** Thief River Falls	1950	1958		6,926	8,285	1,359
Vadnais Heights	1980	1981		5,111	12,895	7,784
*** Virginia	1950	1958		12,486	9,431	(3,055)
Waite Park	1990	1992		5,026	5,970	944
Waseca	1960	1961		5,898	8,434	2,536
*** West St. Paul	1950	1958		7,955	19,450	11,495
White Bear Lake	1960	1961		12,849	26,017	13,168
*** Willmar	1950	1958		9,410	18,654	9,244
*** Winona	1950	1958		25,031	26,612	1,581
Woodbury	1970	1971		6,184	33,426	27,242
*** Worthington	1950	1958		7,923	10,411	2,488
TOTAL				2,029,348	3,081,696	1,052,348

The statewide total entry population includes cities that are no longer above 5,000 population.

* Took a Special Census.

** Incorporated or consolidated.

*** One of the 58 original cities. The 1950 census was used.

**** Metropolitan Council or State Demographer population estimates used per 1997 State Statute revision.

CURRENT RESOLUTIONS
OF THE
MUNICIPAL SCREENING BOARD

June 1997

BE IT RESOLVED:

ADMINISTRATION

Appointments to Screening Board - Oct. 1961 (Revised June 1981)

That annually the Commissioner of Mn/DOT will be requested to appoint three (3) new members, upon recommendation of the City Engineers Association of Minnesota, to serve three (3) year terms as voting members of the Municipal Screening Board. These appointees are selected from the Nine Construction Districts together with one representative from each of the three (3) major cities of the first class.

Screening Board Chairman and Vice Chairman - June 1987

That the Chairman and Vice Chairman, nominated annually at the annual meeting of the City Engineers association of Minnesota and subsequently appointed by the Commissioner of the Minnesota Department of Transportation shall not have a vote in matters before the Screening Board unless they are also the duly appointed Screening Board Representative of a construction District or of a City of the first class.

Screening Board Secretary - Oct. 1961

That annually, the Commissioner of the Minnesota Department of Transportation (Mn/DOT) may be requested to appoint a secretary, upon recommendation of the City Engineers' Association of Minnesota, as a non-voting member of the Municipal Screening Board for the purpose of recording all Screening Board actions.

Appointment to the Needs Study Subcommittee - June 1987 (Revised June 1993)

The Screening Board Chairman shall annually appoint one city engineer, who has served on the Screening Board, to serve a three year term on the Needs Study Subcommittee. The appointment shall be made at the annual winter meeting of the City's Engineers Association. The appointed subcommittee person shall serve as chairman of the subcommittee in the third year of the appointment.

Appointment to Unencumbered Construction Funds Subcommittee - Revised June 1979

The Screening Board past Chairman be appointed to serve a three-year term on the Unencumbered Construction Fund Subcommittee. This will continue to maintain an experienced group to follow a program of accomplishments.

Appearance Screening Board - Oct. 1962 (Revised Oct. 1982)

That any individual or delegation having items of concern regarding the study of State Aid Needs or State Aid Apportionment amounts, and wishing to have consideration given to these items, shall, in a written report, communicate with the State Aid Engineer. The State Aid Engineer with concurrence of the Chairman of the Screening Board shall determine which requests are to be referred to the Screening Board for their consideration. This resolution does not abrogate the right of the Screening Board to call any person or persons before the Board for discussion purposes.

Screening Board Meeting Dates and Locations - June 1996

That the Screening Board Chairman, with the assistance of State Aid personnel, determine the dates and locations for that year's Screening Board meetings.

Research Account - Oct. 1961

That an annual resolution be considered for setting aside a reasonable amount of money for the Research Account to continue municipal street research activity.

Be it resolved that an amount of \$453,040 (not to exceed 1/2 of 1% of the 1997 MSAS Apportionment sum of \$90,608,066) shall be set aside from the 1998 Apportionment fund and be credited to the research account.

Soil Type - Oct. 1961

That the soil type classification as approved by the 1961 Municipal Screening Board, for all municipalities under Municipal State Aid be adopted for the 1962 Needs Study and 1963 apportionment on all streets in the respective municipalities. Said classifications are to be continued in use until subsequently amended or revised by Municipal Screening Board action.

Improper Needs Report - Oct. 1961

That the Office of State Aid and the District State Aid Engineer is requested to recommend an adjustment of the Needs Reporting whenever there is a reason to believe that said reports have deviated from accepted standards and to submit their recommendations to the Screening Board, with a copy to the municipality involved, or its engineer.

New Cities Needs - Oct. 1983

Any new city which has determined their eligible mileage, but does not have an approved State Aid System, their money needs will be determined at the cost per mile of the lowest other city.

Construction Cut Off Date - Oct. 1962 (Revised 1967)

That for the purpose of measuring the Needs of the Municipal State Aid Highway System, the annual cut off date for recording construction accomplishments based upon the project award date shall be December 31st of the preceding year.

Construction Accomplishments - Oct. 1988 (Revised June 1993)

When a Municipal State Aid Street is constructed to State Aid Standards, said street shall be considered adequate for a period of 20 years from the date of project letting or encumbrance of force account funds.

In the event sidewalk or curb and gutter is constructed for the total length of the segment, then those items shall be removed from the needs for a period of 20 years.

If the construction of the Municipal State Aid Street is accomplished with local funds, only the construction needs necessary to bring the roadway up to State Aid Standards will be permitted in subsequent needs for 20 years from the date of the letting or encumbrance of force account funds. At the end of the 20 year period, reinstatement for complete construction needs shall be initiated by the Municipality.

Needs for resurfacing, lighting, and traffic signals shall be allowed on all Municipal State Aid Streets at all times.

That any bridge construction project shall cause the needs of the affected bridge to be removed for a period of 35 years from the project letting date or date of force account agreement. At the end of the 35 year period, needs for complete reconstruction of the bridge will be reinstated in the needs study at the initiative of the Municipal Engineer. If, during the period that complete bridge needs are being received the bridge is improved with a bituminous overlay, the municipality will continue to receive complete needs but shall have the non-local cost of the overlay deducted from its total needs for a period of ten (10) years.

The adjustments above will apply regardless of the source of funding for the road or bridge project. Needs may be granted as an exception to this resolution upon request by the Municipal Engineer and justification to the satisfaction of the State Aid Engineer (e.g., a deficiency due to changing standards, projected traffic, or other verifiable causes).

In the event that a M.S.A.S route earning "After the Fact" needs is removed from the M.S.A. system, then, the "After the Fact" needs shall be removed from the needs study, except if transferred to another state system. No adjustment will be required on needs earned prior to the revocation.

Population Apportionment - October 1994

Be it resolved that beginning with calendar year 1996, the MSA population apportionment shall be determined using the latest available federal census or population estimates of the State Demographer and/or the Metropolitan Council. However, no population shall be decreased below that of the latest available federal census, and no city will be added to, except by consolidation, or dropped from the MSA eligible list based on population estimates.

DESIGN

Design Limitation on Non-Existing Streets - Oct. 1965

That non-existing streets shall not have their needs computed on the basis of urban design unless justified to the satisfaction of the Commissioner.

Less Than Minimum Width - Oct. 1961 (Revised 1986)

That in the event that a Municipal State Aid Street is constructed with State Aid Funds to a width less than the standard design width as reported in the Needs Study, the total needs shall be taken off such constructed street other than the surface replacement need. Surface replacement and other future needs shall be limited to the constructed width unless exception is justified to the satisfaction of the Commissioner.

Greater Than Minimum Width (Revised June 1993)

If a Municipal State Aid Street is constructed to a width wider than required, resurfacing needs will be allowed on the constructed width.

Miscellaneous Limitations - Oct. 1961

That miscellaneous items such as fence removal, bituminous surface removal, manhole adjustment, and relocation of street lights are not permitted in the Municipal State Aid Street Needs Study. The item of retaining walls, however, shall be included in the Needs Study.

MILEAGE

Feb. 1959 (Revised Oct. 1994)

The maximum mileage for Municipal State Aid Street designation shall be 20 percent of the municipality's basic mileage - which is comprised of the total improved streets less Trunk Highway, County State Aid Highways, and any Trunk Highway and/or County Road Turnback designated as excess Municipal State Aid mileage.

Nov. 1965 (Revised 1972, Oct. 1993, 1995)

The maximum mileage for Municipal State Aid Street designation shall be based on the Annual Certification of Mileage current as of December 31st of the preceding year. Submittal of a supplementary certification during the year shall not be permitted except the Division of State Aid will recompute available mileage, as necessary, to accomplish turnbacks. Frontage roads which are not designated trunk highway, trunk highway turnback or County State Aid Highway system shall be considered in the computation of the basic street mileage. The total mileage of county roads and local streets on corporate limits shall be included in the municipality's basic street mileage. Mileage which is on the boundary of two adjoining urban municipalities shall be considered as one-half mileage.

(Nov. 1965 - Revised 1969, October 1993, October 1994, June 1996)

However, the maximum mileage for State Aid designation may be exceeded to designate trunk highway turnbacks after July 1, 1965 subject to State Aid Operations Rules.

A Municipality which accepts a county road turnback after May 11, 1994 and designates it as an MSA Street will no longer have that mileage considered as basic mileage for purposes of determining allowable mileage. This will result in a reduction in allowable mileage of 20% of that county road turnback which partially offsets the affect of adding the county road turnback to the MSA system.

Excess mileage on the MSA system shall accrue needs in accordance with current rules and resolutions.

Oct. 1961 (Revised May 1980, Oct. 1982, Oct. 1983, and June 1993)

All requests for additional mileage or revisions to the Municipal State Aid System must be received by the District State Aid Engineer by March first and a City Council resolution of approved mileage and the Needs Study reporting data must be received by May first, to be included in the current year's Needs Study. Any requests for additional mileage or revisions to the Municipal State Aid Systems received by the District State Aid Engineer after March first will be included in the following year's Needs Study.

One Way Street Mileage - June 1983 (Revised Oct. 1984, Oct. 1993, June 1994)

That any one-way streets added to the Municipal State Aid Street system must be reviewed by the Needs Study Sub-Committee, and approved by the Screening Board before any one-way street can be treated as one-half mileage in the Needs Study.

Treat all one-way streets between 26 feet and 49 feet wide as one-half of the mileage as outlined in Rule 8820.0600 and allow complete needs, except that no more than one parking lane will be eligible to accrue needs. When Trunk Highway or County Highway Turnback is used as part of a one way pair, mileage for certification shall only be included as trunk Highway or County Turnback mileage and not as provided for in the preceding paragraph.

NEEDS COST

Construction Item Unit Prices - (Revised Annually)

Right of Way (Needs only) \$ 60,000.00 Acre

Grading (Excavation) \$ 3.00 Cu. Yd.

Base:

Class 4	Spec. #2211	\$ 4.70 Ton
Class 5	Spec. #2211	6.20 Ton
Bituminous	Spec. #2331	20.50 Ton

Surface:

Bituminous	Spec. #2331	\$ 20.50 Ton
Bituminous	Spec. #2341	23.60 Ton
Bituminous	Spec. #2361	30.10 Ton

Shoulders:

Gravel	Spec. #2221	\$ 8.50 Ton
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Miscellaneous:

Storm Sewer Construction	\$229,700.00 Mile
Storm Sewer Adjustment	71,200.00 Mile
Special Drainage-Rural	28,490.00 Mile
Traffic Signals	20,000 to 80,000.00 Mile

Signal Needs Based On Projected Traffic

Projected Traffic	Percentage	X	Unit Price	=	Needs Per Mile
0 - 4,999	.25		\$80,000	=	\$20,000.00 Mile
5,000 - 9,999	.50		\$80,000	=	\$40,000.00 Mile
10,000 & Over	1.00		\$80,000	=	\$80,000.00 Mile

Street Lighting	20,000.00 Mile
Curb & Gutter Construction	6.00 Lin. Ft.
Sidewalk Construction	16.50 Sq. Yd.
Engineering	18%

Removal Items:

Curb & Gutter	\$ 1.80 Lin. Ft.
Sidewalk	4.75 Sq. Yd.
Concrete Pavement	4.20 Sq. Yd.
Tree Removal	175.00 Unit

STRUCTURES

Bridge Costs - Oct. 1961 (Revised Annually)

That for the study of needs on the Municipal State Aid Street System, bridge costs shall be computed as follows:

Bridges 0 to 149 Ft.	\$ 55.00 Sq. Ft.
Bridges 150 to 499 Ft.	55.00 Sq. Ft.
Bridges 500 & Over	55.00 Sq. Ft.

"The money needs for all "non-existing" bridges and grade separations be removed from the Needs Study until such time that a construction project is awarded. At that time a money needs adjustment shall be made by annually adding the total amount of the structure cost that is eligible for State Aid reimbursement for a 15-year period." This directive to exclude all Federal or State grants.

Bridge Width & Costs - (Revised Annually)

That after conferring with the Bridge Section of Mn/DOT and using the criteria as set forth by this Department as to the standard design for railroad structures, that the following costs based on number of tracks be used for the Needs Study:

Railroad Over Highway

Number of Tracks - 1	\$5,000 Lin. Ft.
Each Additional Track	\$4,000 Lin. Ft.

RAILROAD CROSSINGS

Railroad Crossing Costs - (Revised Annually)

That for the study of needs on the Municipal State Aid Street System, the following costs shall be used in computing the needs of the proposed Railroad Protection Devices:

Railroad Grade Crossings

Signals - (Single track - low speed)	\$ 80,000 Unit
Signals and Gates(Multiple Track - high	\$ 110,000 Unit
Signs Only & (low speed)	\$ 800 Unit
Rubberized Railroad Crossings (Per Track)	\$ 750 Lin. Ft.
Pavement Marking	\$ 750 Unit

Maintenance Needs Costs - June 1992 (Revised 1993)

That for the study of needs on the Municipal State Aid Street System, the following costs shall be used in determining the maintenance apportionment needs cost for existing facilities only.

	Cost For Under 1000 Vehicles Per Day -----	Cost For Over 1000 Vehicles Per Day -----
Traffic Lanes: Segment length times number of traffic lanes times cost per mile.	\$1,320 (Per Mile)	\$2,200 (Per Mile)
Parking Lanes: Segment length times number of parking lanes times cost per mile.	\$1,320 (Per Mile)	\$1,320 (Per Mile)
Median Strip: Segment length times cost per mile.	\$ 440 (Per Mile)	\$ 880 (Per Mile)
Storm Sewer: Segment length times cost per mile.	\$ 440 (Per Mile)	\$ 440 (Per Mile)
Traffic Signals: Number of traffic signals times cost for each signal.	\$ 440 (Per Each)	\$ 440 (Per Each)
Unlimited Segments: Normal M.S.A.S. Streets. -----		
Minimum allowance for mile is determined by segment length times cost per mile.	\$4,400 (Per Mile)	\$4,400 (Per Mile)
Limited Segments: Combination Routes. -----		
Minimum allowance for mile is determined by segment length times cost per mile.	\$2,200 (Per Mile)	\$2,200 (Per Mile)

NEEDS ADJUSTMENTS

Bond Adjustment - Oct. 1961 (Revised 1976, 1979, 1995)

That a separate annual adjustment shall be made in total money Needs of a municipality that has sold and issued bonds pursuant to Minnesota Statutes, Section 162.18, for use on State Aid projects.

That this adjustment, which covers the amortization (payment) period, and which annually reflects the net unamortized bonded debt (remaining principal payments due) shall be accomplished by adding said net unamortized (principal) amount to the computed money needs of the municipality.

For the purpose of this adjustment, the net unamortized bonded debt (remaining principal) shall be the total unamortized bonded indebtedness (deducted from the amount of projects applied against the bond) less the unexpended bond amount (less the amount of projects not encumbered) as of December 31st of the preceding year. The charges for selling the bond issue shall be deducted from the amount that projects are applied against.

"Bond account money spent off State Aid System would not be eligible for Bond Account Adjustment. This action would not be retroactive, but would be in effect for the remaining term of the Bond issue."

Effective January 1, 1996

The money needs shall be annually reduced by 10% of the total bond issue amount. The computation of needs shall be started in the year that bond principal payments are made to the city.

Unencumbered Construction Fund Balance Adjustment - Oct. 1961 (Revised October 1991,1996)

That for the determination of Apportionment Needs, the amount of the unencumbered construction fund balance as of December 31st of the current year shall be deducted from the 25-year total Needs of each individual municipality.

Funding Requests that have been received before December 31st by the District State Aid Engineer for payment shall be considered as being encumbered and the construction balances shall be so adjusted.

Right of Way - Oct. 1965 (Revised June 1986)

The Right of Way needs shall be included in the apportionment needs based on the unit price per mile, until such time that the right of way is acquired and the actual cost established. At that time a money needs adjustment shall be made by annually adding the local cost (which is the total cost less county or trunk highway participation) for a 15-year period. Only right of way acquisition costs that are eligible for State-Aid reimbursement shall be included in the right-of-way money needs adjustment. This Directive to exclude all Federal or State grants. Right-of-way projects that are funded with State Aid Funds will be compiled by the State Aid Office. When "After the Fact" needs are requested for right-of-way projects that have been funded with local funds, but qualify for State Aid reimbursement, documentation (copies of warrants and description of acquisition) must be submitted to the State Aid Office.

Trunk Highway Turnback - Oct. 1967 (Revised June 1989)

That any trunk highway turnback which reverts directly to the municipality and becomes part of the State Aid Street system shall not have its construction needs considered in the money needs apportionment determination as long as the former trunk highway is fully eligible for 100 percent construction payment from the Municipal Turnback Account. During this time of eligibility, financial aid for the additional maintenance obligation, of the municipality imposed by the turnback shall be computed on the basis of the current year's apportionment data and shall be accomplished in the following manner.

Initial Turnback Maintenance Adjustment - Fractional Year Reimbursement:

The initial turnback adjustment when for less than 12 full months shall provide partial maintenance cost reimbursement by adding said initial adjustment to the money needs which will produce approximately 1/12 of \$7,200 per mile in apportionment funds for each month or part of a month that the municipality had maintenance responsibility during the initial year.

To provide an advance payment for the coming year's additional maintenance obligation, a needs adjustment per mile shall be added to the annual money needs. This needs adjustment per mile shall produce sufficient apportionment funds so that at least \$7,200 in apportionment shall be earned for each mile of trunk highway turnback on Municipal State Aid Street System.

Turnback adjustments shall terminate at the end of the calendar year during which a construction contract has been awarded that fulfills the Municipal Turnback Account Payment provisions; and the resurfacing needs for the awarded project shall be included in the Needs Study for the next apportionment.

TRAFFIC - June 1971

Traffic Limitation on Non-Existing Streets - Oct. 1965

That non-existing street shall not have their needs computed on a traffic count of more than 4,999 vehicles per day unless justified to the satisfaction of the Commissioner.

Traffic Manual - Oct. 1962

That for the 1965 and all future Municipal State Aid Street Needs Studies, the Needs Study procedure shall utilize traffic data developed according to the Traffic Estimating Manual - M.S.A.S. #5-892.700. This manual shall be prepared and kept current under the direction of the Screening Board regarding methods of counting traffic and computing average daily traffic. The manner and scope of reporting is detailed in the above mentioned manual.

Traffic Counting - Sept. 1973 (Revised June 1987,1997)

That future traffic data for State Aid Needs Studies be developed as follows:

1. The municipalities in the metropolitan area cooperate with the State by agreeing to participate in counting traffic every two or four years at the discretion of the city.
2. The cities in the outstate area may have their traffic counted for a nominal fee and maps prepared by State forces every four years, or may elect to continue the present procedure of taking their own counts and preparing their own traffic maps at four year intervals.
3. Any city may count traffic every two years, at their discretion.